CONTENTS

- Please visit our website: www.tai-tech.com.tw for the latest specification.
- Detailed Specifications are available upon request.
- Customized specifications are available , please contact TAI-TECH for the details.
- 最新規格可瀏覽網站： www.tai-tech.com.tw
- 詳細規格可在需求時提供
- 特殊規格可開發，詳情請洽西北臺慶

Products

■ **EMI Suppression Filters : Beads, Common Mode Filter**

Description	Model	P/N	Package Size	Impedance Range (ohm)	Rated Current (mA)	*OP Temp.	Page
Ferrite Chip Beads		FCM	1005K,M	30 – 1000	50 – 300	125	34
			1608K,H,C	10 – 2000	150 – 700	125	37
			2012K,H	7 – 2000	250 – 900	125	40
			3216K	26 – 600	400 – 900	125	44
High Current Ferrite Chip Beads		HCB	1005P,K,M	10 – 220	1500 – 3000	125	47
			1608Z,K	26 – 600	1000 – 6000	125	49
			2012K	30 – 600	1000 – 3000	125	51
			3216K	30 – 600	1000 – 3000	125	53
			4516K	60 – 80	3000 – 6000	125	55
			4532K,M	80 – 1300	3000 – 6000	125	57
		HFZ	1005P	10 – 600	1000 – 4000	125	59
			1606C	8 – 22	8000	125	61
			1608P	30 – 1000	1500 – 5000	125	63
			2012	30 – 1000	1600 – 8500	125	65
			3216	30 – 1000	2000 – 12000	125	67
Ultra High Current Ferrite Beads		BPH	322521	35	21000	125	69
			323023	40	21000	125	69
			403022	40	20000	125	70
			403025	47 –53	24000-35000	125	70
			853025	100	30000	125	71
Ferrite Chip Bead Arrays		FCA-K	3216	30 – 1000	150 – 500	125	72
Chip Common Mode Filter		MCF	0605	12 – 90	100	85	74
			0806	12 – 90	100	85	75

Note: Operating Temperature
180: -55℃~+180℃,150: -55℃~+150℃, 125: -55℃(-40℃)~+125℃, 105: -40℃~+105℃,85: -40℃~+85℃

Products

■ **EMI Suppression Filters : Common Mode Chokes,Balun.**

Description	Model	P/N	Package Size	Impedance Range (ohm)	Rated Current (mA)	*OP Temp.	Page
Common Mode Chokes		WCM	1210	60 – 200	120-250	125	76
			1608	22 – 250	400-550	125	78
			2012	67 – 1000	100 – 400	125	80
			3216	90 – 2200	200 – 400	125	83
			3225	90 – 1000	400 – 1000	125	86
			4532HI	90 – 2800	900 – 4000	125	88
			4532	80 – 800	1000 – 3000	125	91
			7060	70 – 1300	3000 –15000	125	93
		HDMI	2012	67 – 90	300 – 400	125	95
		HSF	1210	15 – 90	200 – 400	125	97
			1210-U4	1.9 –90	300 – 400	125	100
		HSF-H	2012	30 – 120	300 – 400	125	102
		TCM (3 lines)	322512	160 – 500	200 – 500	125	104
		ACM	3225F	500 – 1000	1500 – 2000	85	106
			3225D-D	11 – 100 uH	150 – 300(CANFD)	150	107
			4532N-D	11 – 100 uH	200 – 360	150	109
		DCM (Inductors)	321620S/U	55-60uH	200	105	111
			3532S/U	75 – 160uH	200 – 300	125	114
			4532	60uH	20	125	116
		WCM	5025	250 – 1500	1500 –1500	125	117
			7060	70 –3000	900 –15000	125	119
			9070	300 –3000	3000 –6000	125	122
			1211	230 –2700	1500 –10000	125	124
Balun Filters		BCM	2012	-	-	125	126
			3225	-	-	85	129

Note: Operating Temperature
180: -55℃~+180℃,150: -55℃~+150℃, 125: -55℃(-40℃)~+125℃, 105: -40℃~+105℃,85: -40℃~+85℃

Products

■**Inductors : Chip Inductors ,Wire Wound Inductors,Transponder Inductors.**

Description	Model	P/N	Package Size	Inductance Range (uH)	Rated Current(mA)	*OP Temp.	Page
Multilayer Chip Inductors		FCI	1005	1.00 – 2.20	10 – 15	105	130
			1608	0.047 – 10.00	15 – 50	105	131
			201209/12	0.047 – 10.00	15 – 300	105	132
			3216	1.00 – 10.00	25 – 100	105	133
Wire Wound Inductors		SWF-LF	1608	0.047 – 10.00	270 – 1500	125	134
		SWF-CF/RIF	1608 CF	0.047 – 10.00	180 – 1400	125	136
			2012 CF	0.47 – 33.00	145 – 750	125	138
			2520 CF	1.00 – 33.00	236 – 1000	125	139
			3225 CF	1.00 – 680	76 – 1200	125	140
			1608 RIF	0.10 – 22.00	200 – 1700	125	141
			2012 RIF	0.10 – 22.00	240 – 1900	125	142
Multilayer Chip Inductor For High Frequency		HCI	0603LF	0.8 – 82(nH)	70 – 500	105	143
			1005LF	1.0 – 330(nH)	50 – 400	105	145
			0603FQ	0.6 – 120(nH)	80 – 1000	105	147
			1005FQ	1.0 – 360(nH)	80 – 1000	105	149
			1608	1.0 – 220(nH)	300	105	151
Wire Wound Inductors for High Frequency		SWI	0402	1.2 – 120(nH)	50 –640	125	153
			0603	2.00 – 390(nH)	100 – 700	125	155
			0805U	2.80 – 1200(nH)	170 – 800	125	157
			1008	10 – 10000(nH)	170 – 1000	125	159
Transponder Inductors		PAS XY Type	4420	300 – 3500	20 – 70	125	161
			6420	5200 – 7200	15 – 30	125	162
			8027	4500 – 18520	20	125	163
			1225	100 – 7200	50 – 300	125	164
Transponder Inductors		PASU XY Type	3225V	1080 – 1340	50	125	165

Note: Operating Temperature
180: -55℃~+180℃,150: -55℃~+150℃, 125: -55℃(-40℃)~+125℃, 105: -40℃~+105℃,85: -40℃~+85℃

Products

■**Inductors :Multilayer Chip Power Inductors, Sealed Type High Current Power Inductors.**

Description	Model	P/N	Package Size	Inductance Range (uH)	Irms (A)	Isat (A)	*OP Temp.	Page
Multilayer Chip Power Inductors		CPI	160809	0.33 – 2.20	0.35 – 0.90	-	105	166
			201210	0.47 – 4.70	0.70 – 1.20	-	105	167
			201610	0.47 – 4.70	0.90 – 1.60	-	105	168
		FCH	160808	1.00 – 4.70	1.00 – 1.70	-	105	169
		MPI	160809M/S	1.00 – 4.70	0.35 – 1.00	-	105	170
			201210M/S	1.00 – 4.70	0.80 – 1.40	-	105	172
			201610M/S	1.00 – 4.70	0.85 – 1.40	-	105	174
Sealed Type High Current Power Inductors		DFP	201612NF	0.24 – 2.20	1.50 – 4.00	2.00 – 5.40	125	176
			252010BF	0.24 – 2.20	1.80 – 3.60	2.40 – 4.80	125	177
			3010EF	0.47 – 10.00	0.90 – 4.10	1.10 – 5.40	125	178
			322510BF	0.47 – 10.00	0.90 – 4.00	1.20 – 5.00	125	179
			4010EF	0.47 – 10.00	1.10 – 3.50	1.00 – 4.30	125	180
		UHP	160808TF	1.00 – 10.00	0.30 – 1.15	0.21 – 0.80	125	181
			201208TF	1.00 – 10.00	0.38 – 1.50	0.35 – 1.20	125	182
			201210RF	1.00 – 10.00	0.60 – 2.10	0.32 – 1.10	125	183
			201610NF	0.47 – 22.00	0.30 – 2.60	0.43 – 3.00	125	184
			252012BF	0.47 – 22.00	0.50 – 3.70	0.56 – 4.00	125	185
Sealed Type Power Inductors		AHP	201608RA	0.24 – 10.00	0.80 – 4.00	0.90 – 7.00	125	186
			201610BM	0.47 – 4.70	1.30 – 4.00	1.90 – 6.80	125	187
			201610FA	0.24 – 4.70	1.60 – 5.70	1.60 – 7.50	125	188
			201610RA	0.10 – 10.00	0.80 – 7.00	1.00 – 10.00	125	189
			201612BM	0.47 – 4.70	1.50 – 4.30	2.10 – 7.20	125	190
			252008RA	0.24 – 4.70	1.20 – 4.50	1.50 – 5.30	125	191
			252010BM	0.24 – 4.70	1.70 – 5.60	2.20 – 9.50	125	192
			252010FA	0.24 – 4.70	1.70 – 5.50	1.70 – 9.50	125	193
			252012BM	0.24 – 10.00	1.20 – 6.30	1.40 –10.00	125	194
			252012FA	0.33 – 3.30	1.40 – 5.50	1.50 – 8.00	125	195
			252012RA	0.10 – 22.00	0.60 – 6.00	0.80 – 14.00	125	196
			3010BM	0.22 – 10.00	1.10 – 5.80	2.10 – 11.50	125	197
			3012BM	0.30 – 4.70	2.00 – 6.40	3.70 – 11.50	125	198
			3012HF	0.33 – 10.00	1.40 – 5.50	1.50 – 9.00	125	199
			3015BM	0.47 – 10.00	1.60 – 5.80	2.70 – 12.00	125	200
			3020BM	0.47 – 220.00	1.30 – 6.10	2.80 – 16.00	125	201
			322512BM	0.47 – 33.00	0.70 – 5.20	0.80 – 7.80	125	202
			4010HF	0.47 – 10.00	1.40 – 4.50	1.80 – 8.00	125	203
			4012HF	0.47 – 10.00	1.60 – 6.00	2.00 – 10.00	125	204
			4020BM	0.22 – 15.00	1.80 – 9.50	2.80 – 23.00	125	205

Products

■**Inductors : Sealed Type Wire Wound Inductors.**

Description	Model	P/N	Package Size	Inductance Range (uH)	Irms (A)	Isat (A)	*OP Temp.	Page
Sealed Type Power Inductor	   	HPC	160809TF	1.00 – 10.00	0.25 – 0.90	0.20 – 0.80	125	206
			201610BM	0.24 – 8.20	0.80 – 5.20	0.70– 4.10	125	207
			201612BM	0.33 – 10.00	0.78 – 4.80	0.65 – 3.50	125	208
			252010BM	0.47 – 15.00	0.80 – 3.00	0.62 – 3.30	125	209
			252012BM	0.22 – 22.00	0.80 – 6.00	0.63 – 5.50	125	210
			3010BM	1.00 – 33.00	0.60 – 3.40	0.45 – 2.40	125	211
			3012BM	0.22 – 47.00	0.65 – 6.20	0.52 – 8.00	125	212
			3015BM	0.24 – 47.00	0.70 – 5.00	0.46 – 6.00	125	213
			322512BM	0.33 – 22.0	0.80 – 5.00	0.60 – 4.50	125	214
			3612BM	10.00	1.20	1.10	125	215
			4010BM	1.00 – 22.0	0.80 – 3.50	0.53 – 2.80	125	216
			4012BM	0.47 – 47.0	0.65 – 5.50	0.48 – 5.00	125	217
			4018NF	1.00 – 68.00	0.55 – 3.70	0.55 – 4.00	125	218
			4020BM	1.00 – 100.00	0.35 – 3.80	0.50 – 4.60	125	219
			4030NF	0.68 – 220.00	0.35 – 4.60	0.45 – 6.80	125	220
			5012NF	1.00 – 15.00	1.35 – 4.00	1.30 – 4.50	125	221
			5020NF	1.00 – 47.00	0.70– 4.10	0.70 – 5.00	125	222
			5030NF	0.47 – 100.00	0.75 – 8.00	0.77– 10.00	125	223
			5040NF	0.47 – 220.00	0.62 – 9.00	0.55 – 12.00	125	224
			6020NF	0.80 – 33.00	1.30 – 5.50	1.20 – 7.50	125	225
			6028NF	0.90 – 120.00	0.68 – 7.80	0.72– 8.00	125	226
			6045NC	0.36 – 680.00	0.30 – 9.00	0.45 – 18.00	125	227
			8040NC	1.00 – 680.00	0.60 – 8.50	0.55 – 13.80	125	229

■**Power Inductor**

Description	Model	P/N	Package Size	Inductance Range(uH)	IDC(A)	Isat (A)	*OP Temp.	Page
Power Inductor		FPI	0302BM	0.29 – 470.00	0.09 – 5.00		125	230
			0403BM	1.00 – 120.00	0.20 – 4.00		125	232
			0503BM	1.50 – 33.00	1.40 – 4.10		125	234
			0504BM	1.00 – 120.00	0.60 – 3.50		125	235
			0703BM	10.00 – 330.00	0.28 – 1.44		125	237
			0705BM	3.30 – 470.00	0.34 – 4.60		125	238

Note: Operating Temperature
180: -55℃~+180℃,150: -55℃~+150℃, 125: -55℃(-40℃)~+125℃, 105: -40℃~+105℃,85: -40℃~+85℃

Products

■**Hi-Current Vertical Power Inductors, Molding Type High Current Power Inductor**

Description	Model	P/N	Package Size	Inductance Range(uH)	Irms (A)	Isat (A)	*OP Temp.	Page
Vertical and Coupled Inductors		TVMP	106410LN	0.10	112	183	125	240
			116799S	0.15 – 0.33	35.00 – 55.00	75.00 – 90.00	125	241
			120611LN	0.09 – 0.15	90.00	120.00-135.00	125	242
		THFD	3822S	0.68 – 3.30	96.00 – 154.00	124.00-420.00	125	243
			5022S	2.20	125	280.00	125	244
		TTMP	1004X4	2.20 – 22.00	2.80 – 15.00	5.50 – 11.00	125	245
			1008N4	10.00-47.00	3.60 – 6.50	6.30 – 12.50	125	247
		TTMA	1010P4	3.30 – 15.00	6.00 – 14.00	6.00 – 15.00	125	248
			1094P4	1.00 – 15.00	6.00 – 21.00	9.50 – 50.00	125	249
Mini Molding Type High Current Power Inductor		AWP	252010FW	0.24 – 4.70	1.40 – 5.70	1.60 – 6.30	125	250
			252012FW	0.24 – 4.70	1.80 – 6.20	1.80 – 7.50	125	251

Note: Operating Temperature
180: -55℃~+180℃,150: -55℃~+150℃, 125: -55℃(-40℃)~+125℃, 105: -40℃~+105℃,85: -40℃~+85℃

Products

■Hi-Current Power Inductors

Description	Model	P/N	Package Size	Inductance Range(uH)	Irms (A)	Isat (A)	*OP Temp.	Page
Mini Molding Type High Current Power Inductor	 	TMIM	201610A	0.22 – 2.20	2.30– 7.00	2.65 – 8.00	125	252
			201612A	0.22 – 2.20	2.50 – 7.00	2.70 – 8.00	125	253
			252010A	0.22 – 3.30	2.80 – 7.20	2.10 – 7.70	125	254
			252012A	0.24 – 4.70	2.00 – 7.30	2.80 – 7.80	125	255
			322510A	0.33 – 4.70	2.00 – 7.00	2.20 – 8.00	125	256
			322512A	0.22 – 4.70	2.20 – 9.50	2.80 – 9.30	125	257
			322512AL	0.33 – 6.80	2.50 – 9.00	2.60 – 10.20	125	258
			322520A	0.33 – 1.50	5.30 – 8.50	6.00 – 11.00	125	259
			353220A	0.07 – 10.00	3.20 – 18.00	2.50 – 25.00	125	260
			0302A	0.12 – 1.00	7.80 – 16.00	8.50 – 20.00	125	261
			0412A	0.68 – 10.00	2.40 – 8.00	2.30 – 10.00	125	262
			0402S	0.33 – 2.20	9.00 – 17.00	7.20 – 18.00	125	263
			0403S	3.30 – 4.70	6.60 – 10.00	5.80 – 7.50	125	264
			0503S	0.20 – 3.30	9.50 – 26.0	9.50 – 31.0	125	265
		TMIM-HL	0302HL	1.00	6.50	8.00	125	266
			322512HL	0.22 – 4.70	2.50 – 9.50	2.90 – 9.30	125	267
			141208HL	0.33 – 0.47	3.80 – 4.00	4.60 – 5.30	125	268
			141265HL	0.33 – 0.47	3.00 – 3.30	3.40 – 5.50	125	269
			160808HL	0.22 – 1.00	2.10 – 3.40	3.00 – 5.50	125	270
			201208HL	0.47 – 2.20	1.90 – 3.10	2.50 – 5.00	125	271
			201210HL	0.10 – 2.20	2.00 – 7.50	2.70 – 8.50	125	272
			201608HL	0.24 – 2.20	2.20 – 6.50	2.70 – 6.00	125	273
			201610HL	0.10 – 4.70	1.60 – 8.50	2.00 – 9.00	125	274
			252010HL	0.24 – 10.00	1.20 – 6.80	1.60 – 8.50	125	275
			252012HL	0.10 – 10.00	1.20– 12.00	1.60 – 12.00	125	276

Note: Operating Temperature
180: -55℃~+180℃,150: -55℃~+150℃, 125: -55℃(-40℃)~+125℃, 105: -40℃~+105℃,85: -40℃~+85℃

Products

■ **Hi-Current Power Inductors**

Description	Model	P/N	Package Size	Inductance Range(uH)	Irms (A)	Isat (A)	*OP Temp.	Page
Molding Type High Current Power Inductor High Irms.		TMPA-HT	0603HT	0.47 – 22.00	3.40 – 20.00	3.00 – 21.00	180	277
			1004HT	1.00 – 68.00	3.50 – 27.00	3.50 – 29.00	180	278
			1265HT	0.22 – 33.00	7.60 – 45.00	8.00 – 75.00	180	279
		TMPA	0402S	0.10 – 10.00	2.14 – 16.00	2.10 – 26.00	125	280
			0503S	0.47 – 10.00	3.80 – 13.50	2.50 – 10.00	125	281
			0603S	0.15 – 22.00	2.50 – 30.00	3.00 – 40.00	125	282
			0604S	0.33 – 6.80	7.60 – 25.00	6.80 – 28.00	125	283
			0605S	0.15 – 47.00	2.60 – 35.00	1.80 – 45.00	125	284
			1003S	0.22 – 8.20	7.20 – 33.00	7.20 – 50.00	125	285
			1004S	0.15 – 22.00	5.00 – 44.00	6.20 – 82.00	125	286
			1005S	0.30 – 100.00	2.20 – 36.00	2.80 – 55.00	125	287
			1205SP	0.22 – 150.00	2.70 – 55.00	3.20 – 65.00	125	288
			1206SP	0.36 – 150.00	2.60 – 60.00	4.10 – 70.00	125	289
			1265SP	0.22 – 100.00	5.00 – 53.00	5.00 – 112.00	125	290
			1707SP	0.47 – 100.00	6.00 – 60.00	6.50 – 110.00	125	291
			2313SP	1.50 – 100.00	11.00 – 62.00	9.00 – 52.00	125	292
			404010AF	4.70 – 10.00	1.60 – 2.60	2.00 – 3.00	125	293
			606010AF	4.70 – 10.00	1.70 – 2.60	2.10 – 3.50	125	294

Note: Operating Temperature
180: -55℃~+180℃,150: -55℃~+150℃, 125: -55℃(-40℃)~+125℃, 105: -40℃~+105℃,85: -40℃~+85℃

Products

■ **Hi-Current Power Inductors**

Description	Model	P/N	Package Size	Inductance Range(uH)	Irms (A)	Isat (A)	*OP Temp.	Page
Molding Type High Current Power Inductors	 	TMPC	0312H	0.15 – 10.00	1.00 – 10.00	1.40 – 14.00	125	295
			0315H	0.22 – 10.00	1.20 – 7.00	1.60 – 10.80	125	296
			0302H	0.10 – 10.00	1.40 – 10.50	1.60 – 14.00	125	297
			0412HP	0.10 – 10.00	1.30 – 11.50	1.40 – 25.00	125	298
			0415HP	0.12 – 10.00	1.50 – 15.00	1.90 – 20.00	125	299
			0402HP	0.33 – 22.00	1.20 – 10.00	1.40 – 18.00	125	300
			0512HP	0.10 – 15.00	1.30 – 14.00	1.60 – 14.50	125	301
			0515HP	0.20 – 22.00	1.20 – 15.00	1.70 – 22.50	125	302
			0518HP	0.33 – 15.00	1.70 – 11.00	2.30 – 15.00	125	303
			0502HP	0.10 – 22.00	1.50 – 18.00	1.80 – 45.00	125	304
			0503HP	0.10 – 22.00	1.40 – 23.00	2.20 – 27.00	125	305
			053T	0.10 – 10.00	3.30 – 20.00	3.70 – 34.00	125	306
			0612H	0.10 – 22.00	1.20 – 16.00	1.70 – 30.00	125	307
			0618H	0.10 – 33.00	1.30 – 18.00	2.10 – 45.00	125	308
			0602H	0.10 – 22.00	1.50 – 21.00	2.50 – 40.00	125	309
			0624H	0.10 – 22.00	1.80 – 30.00	3.00 – 70.00	125	310
			0603H	0.072 – 47.00	1.75 – 35.00	2.00 – 65.00	125	311
			0604H	0.15 – 15.00	3.00 – 30.00	4.00 – 55.00	125	313
			0605H	0.33 – 22.00	2.50 – 25.00	5.50 – 32.00	125	314
			8030HP	0.33 – 22.00	3.20 – 25.00	6.50 – 47.00	125	315
			8040HP	0.22 – 10.00	5.60 – 31.00	10.0 – 60.00	125	316
			1002H	1.00 – 10.00	3.00 – 8.50	7.00 – 26.00	125	317
			1003H	0.47 – 47.00	2.00 – 20.00	4.00 – 33.00	125	318
			1004H	0.15 – 10.00	1.75 – 43.00	12.00 – 75.00	125	319
			1005H	0.22 – 10.00	8.00 – 45.00	13.50 – 70.00	125	321
			1203HP	0.36 – 47.00	2.50 – 30.00	4.50 – 50.00	125	322
			120804H	0.15 – 0.47	35.00 – 47.00	60.0 – 90.0	125	323
			1235HP	1.00 – 47.00	3.00 – 24.00	5.50 – 40.00	125	324
			1205HP	0.10 – 82.00	3.00 – 55.00	4.80 – 120.00	125	325
			1206HP	0.22 – 220.00	2.00 – 55.00	3.00 – 120.00	125	326
			1265HP	0.15 – 15.00	6.00 – 32.50	13.00 – 60.00	125	327

Note: Operating Temperature
180: -55℃~+180℃,150: -55℃~+150℃, 125: -55℃(-40℃)~+125℃, 105: -40℃~+105℃,85: -40℃~+85℃

Products

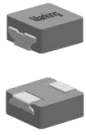
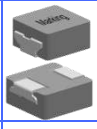
■ **Hi-Current Power Inductors, Twin Inductors**

Description	Model	P/N	Package Size	Inductance Range(uH)	Irms (A)	Isat (A)	*OP Temp.	Page
High Current Power Inductors Vibration Resistant		TMPV	0503SP	0.68 – 15.00	2.50 – 12.00	2.20 – 11.70	125	329
			0504SP	0.47 – 22.00	2.70 – 13.50	3.50 – 16.30	125	330
			0603S	0.47 – 20.00	2.90 – 19.00	3.00 – 19.00	125	331
			0754S	1.50 – 100.00	2.20 – 17.00	2.00 – 19.00	125	332
			1004S	0.47 – 47.00	3.60 – 34.00	4.00 –-31.00	125	333
			1054S	0.68 – 68.00	3.50 – 32.00	4.80 – 46.00	125	334
			1265SP	0.68 – 47.00	5.20 – 36.50	6.00 – 36.50	125	335
Molding Type High Current Power Inductors Low Rdc.	 	TMPF	0402LR-ABD	0.47 – 2.20	8.00 – 13.20	6.00 – 14.00	125	336
			0402A-ABD	0.10 – 1.80	7.00 – 18.00	7.50 – 38.00	125	337
			0403LR-ABD	0.90 – 3.30	6.60 – 11.20	6.20 – 10.00	125	338
			0502A-ABD	0.15 – 1.50	8.80 – 18.80	13.30 – 30.00	125	339
			0503A-ABD	0.15 – 4.70	5.90 – 22.20	8.20 – 36.00	125	340
			0505LR-ABD	2.20 – 8.20	6.10 – 13.80	7.20 – 11.00	125	341
			0603A-ABD	0.18 – 4.70	6.00 – 32.00	9.00 – 40.00	125	342
			0604A-ABD	0.47 – 5.60	6.70 – 24.00	9.80 – 31.00	125	343
			0605A-ABD	0.82 – 8.20	6.20 – 21.00	8.00– 24.00	125	344
			0606LR-ABD	0.22 – 8.20	8.00 – 25.00	8.50 – 36.00	125	345
			0702A-ABD	0.15 – 1.80	8.00 – 24.00	15.00 – 51.00	125	346
			0703A-ABD	1.00 –5.60	7.30 – 21.80	12.50 – 30.00	125	347
			0705A-ABD	1.80 – 5.60	10.00 – 16.00	13.00 – 25.00	125	348
			0707A-ABD	2.20 – 10.00	7.00 – 17.80	10.00 – 19.60	125	349
			0808A-ABD	3.30 – 10.00	8.70 – 18.00	11.00 – 23.00	125	350
			1006A-ABD	2.20 – 10.00	9.00 – 20.00	15.00 – 35.00	125	351
			1010A-ABD	3.30 – 15.00	13.80 – 25.00	15.50 – 27.40	125	352
			1508A-ABD	2.00 – 22.00	12.00 – 40.00	19.00 – 57.00	125	353
			1510A-ABD	4.70 – 33.00	13.00 – 30.00	18.70 – 43.00	125	354
			1513A-ABD	4.70 – 33.00	14.00 – 31.00	19.00 – 44.00	125	355
Molding Twin Inductors		TBMA	1004P4	0.43 – 22.00	5.00 – 38.00	4.00 – 27.00	125	356

Note: Operating Temperature
180: -55℃~+180℃,150: -55℃~+150℃, 125: -55℃(-40℃)~+125℃, 105: -40℃~+105℃,85: -40℃~+85℃

Products

■ **Hi-Current Power Inductors,TLVR**

Description	Model	P/N	Package Size	Inductance Range(uH)	Irms (A)	Isat (A)	*OP Temp.	Page
High Current Power Inductors Vibration Resistant		TMAF	0301S	0.47 – 10.00	1.25 – 6.00	1.50 – 7.00	125	357
			0312S	0.30 – 4.70	2.20 – 8.60	2.50 – 9.20	125	358
			040HS	6.80 – 10.00	1.20 – 1.70	1.50 – 1.90	125	359
			0401S	0.47 – 10.00	1.70 – 7.50	1.70 – 8.20	125	360
			0412S	0.47 – 10.00	1.90 – 8.50	2.30 – 11.50	125	361
			0501SP	0.47 – 10.00	2.00 – 7.70	2.50 – 9.00	125	362
			0512SP	0.47 – 10.00	2.30 – 9.00	2.70 – 12.00	125	363
			0601SP	2.20 – 10.00	2.30 – 5.00	3.50 – 6.50	125	364
			0612SP	6.80 – 10.00	2.80 – 3.50	4.00 – 4.60	125	365
High Current Power Inductors Vibration Resistant		THMC	0421SP	0.10 – 10.00	3.10 – 19.00	3.30 – 35.00	125	366
			0524S	0.10 – 0.15	29.00 – 39.00	45.00 – 55.00	125	367
			0503S	0.10 – 0.15	42.00 – 45.00	35.00 – 60.00	125	368
			0503SP	0.24 – 22.00	3.10 – 25.00	3.50 – 38.00	125	369
			0624S	0.10 – 0.15	35.00 – 37.00	35.00 – 52.00	125	370
High Current Power Inductors Vibration Resistant		THMA	0301S	4.70 – 10.00	1.20 – 1.50	1.40 – 1.90	125	371
			040HS	5.60 – 10.00	1.40 – 1.70	1.60 – 2.30	125	372
			0421SP	0.10 – 100.00	2.80 – 24.00	2.70 – 26.00	125	373
			0503SP	0.47 – 22.00	3.60 – 18.00	2.20 – 14.00	125	374
Trans-Inductor Voltage Regulator		TLVR	966411	100 – 220(nH)	40 – 75	50 – 98	125	375
			100512	70 – 170(nH)	75	52 – 127	125	376
			110511	70 – 200(nH)	45 – 77	58 – 160	125	377

Note: Operating Temperature
180: -55℃~+180℃,150: -55℃~+150℃, 125: -55℃(-40℃)~+125℃, 105: -40℃~+105℃,85: -40℃~+85℃

Products

■ **Hi-Current Power Inductors**

Description	Model	P/N	Package Size	Inductance Range(uH)	Irms (A)	Isat (A)	*OP Temp.	Page
High Current Power Inductor	 	SLPI	040445S	0.055 – 0.10	29.00	16.00 – 31.00	125	378
			404230S	0.022	19.00	43.00	125	379
			404240S	0.022 – 0.10	19.00	17.00 – 40.00	125	380
			050565S	0.08	34.00	50.00	125	381
			525061S	0.05 – 0.15	56.00	17.00 – 68.00	125	382
			060566S	0.05	56.00	90.00	125	383
			070705ST	0.072 – 0.226	43.00	20.00 – 65.00	125	384
			070805ST	0.032 – 0.200	65.00	20.00-110.00	125	385
			706805S	0.07 – 0.22	31.00	20.00 – 65.00	125	386
			096408S	0.10-0.30	51.00	32.50 – 94.00	125	387
			090755S	0.07	65.00	100.00	125	388
			100729A	0.15	40.00	60.00	125	389
			100705A	0.16	40.00	60.00	125	390
			100705S	0.08 – 0.22	45.00	30.00 – 80.00	125	391
			107050S	0.200	41.00	43.00	125	392
			100705ST	0.08 – 0.22	53.00	33.00 – 90.00	125	393
			100752ST	0.10 – 0.12	40.00	55.00 – 65.00	125	394
			107975ST	0.10 – 0.30	65.00	36.00-100.00	125	395
			100807S	0.12 – 0.47	61.00	23.5 – 94.00	125	396
			100875S	0.12 – 0.40	61.00	25.00 – 94.00	125	397
			100808S	0.12 – 0.22	68.00	58.00 – 95.00	125	398
			110775S	0.12 – 0.51	55.00	18.00 – 90.00	125	399
			117275S	0.12 – 0.50	48.00	17.00 – 85.00	125	400
			111109S	0.25 – 0.47	55.00	38.00 – 68.00	125	401
			131308S	0.18 – 0.44	45.00	35.00 – 90.00	125	402

Note: Operating Temperature
180: -55℃~+180℃,150: -55℃~+150℃, 125: -55℃(-40℃)~+125℃, 105: -40℃~+105℃,85: -40℃~+85℃

Products

■ **Hi-Current Power Inductors**

Description	Model	P/N	Package Size	Inductance Range(uH)	Irms (A)	Isat (A)	*OP Temp.	Page
High Current Power Inductor	 	SEPI	060690LN	0.12	50.00	58.00	125	403
			726711LN	0.12 – 0.33	40.00	28.00 – 75.00	125	404
			805080LN	0.10 – 0.18	65.00	35.00 – 75.00	125	405
			966408LN	0.12-0.30	51.00 – 65.00	44.00 – 70.00	125	406
			966409LN	0.10 – 0.30	66.00	33.00-100.00	125	407
			966410LN	0.07 – 0.28	84.00	36.00-145.00	125	408
			966412LN	0.22 – 0.47	65.00	27.00-65.00	125	409
			106012LN	0.07 – 0.33	77.00	40.00-150.00	125	410
			100709LN	0.10 – 0.22	70.00	44.00-100.00	125	411
			100710LN-R1705	0.07 – 0.33	70.00	38.00-145.00	125	412
			100710LN-R1710	0.07 – 0.33	68.00	37.00-165.00	125	413
			100710LN-R1810	0.12 – 0.33	68.00	38.00 – 90.00	125	414
			107512LN	0.27	75.00	60.00	125	415
			107597LN	0.30	61.00	50.00	125	416
			100810LN	0.10 – 0.27	65.00	42.00-100.00	125	417

Note: Operating Temperature
180: -55℃~+180℃,150: -55℃~+150℃, 125: -55℃(-40℃)~+125℃, 105: -40℃~+105℃,85: -40℃~+85℃

Products

■**LAN Transformer/Common Mode Chokes**

Description	Model	P/N	Package Size	Inductance / Impedance			*OP Temp.	Page
LAN Transformer		TXF-7P	4532	L:180 – 380uH			85	418
		TXF-7P	4038	L:120 – 180u			105	419
		TXF-7P	4644	L:120 – 380uH			105	422
		TXF-7P	564545	L:150uH			105	423
Common Mode Choke for LAN		WCM-G	2012	Z:90 – 800			125	425
		WCM-H	2012	Z:90			125	427

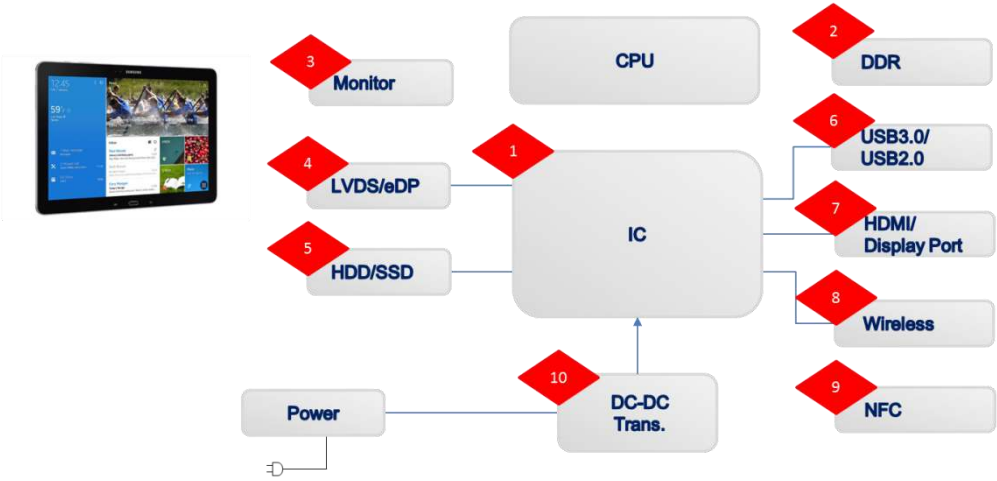
Note: Operating Temperature
180: -55℃~+180℃,150: -55℃~+150℃, 125: -55℃(-40℃)~+125℃, 105: -40℃~+105℃,85: -40℃~+85℃

■**LAN Transformer Modules**

Description	Model	P/N	Code/Size	Type	Model	Spec.	*OP Temp.	Page
LAN Transformer Modules		12,16,17,28	12M162P7D8	L	Single	10/100M	85	429
			12M162P7B0	L	Single	10/100M	85	429
			16G241P1A8	L	Single	1G	85	431
			17G241P7C8	L	Single	1G	85	432
			28G481P1A8	L	DUAL	1G	85	433
			16E241L1A8	L	Single	2.5/5G	85	434
			16J241L1A9	L	Single	10G	85	435
			16J241Q1A9	L	Single	10G	85	436
			12M162L7A8	L	POE,+	10/100M	85	437
			16G241L1A8	L	POE,+	1G	85	438
			16E241Q1A9	L	POE,+,++	2.5/5G	85	439
			16J241Q1A9	L	POE,+,++	10G	85	440
			12M162C7A8	C	Single	10/100M	85	441
			12M162C7A0	C	Single	10/100M	85	441
			16G241C1A8	C	Single	1G	85	442
			17G241C7A8	C	Single	1G	85	443
			16E241C1A8	C	Single	2.5/5G	85	444
			16E241F1A8	C	Thin	2.5/5G	85	444

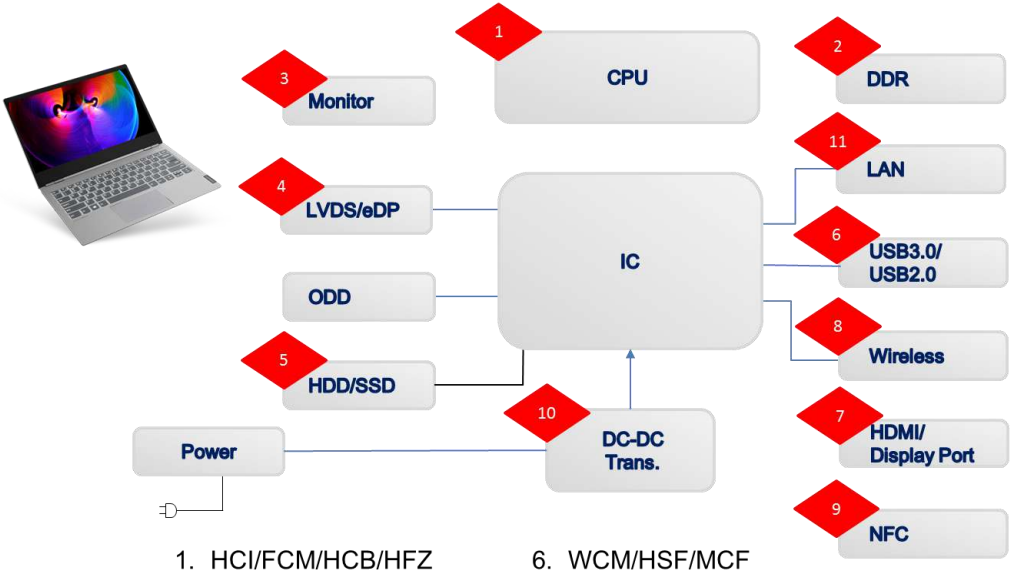
Note:
M:10/100,G:1G,E:2.5G/5G,J:10G.LAP-L:POE+,LAP-Q:POE++.

Tablet



1. HCI/FCM/HCB/HFZ
2. HCI/FCM/HCB/HFZ
3. CPI/UHP/HPC/AHP
4. HSF/HDMI/MCF
5. CPI/UHP/HPC/AHP
6. HSF/HDMI/MCF
7. WCM/HSF/HDMI/MCF
8. HCI/SWI
9. HCI/SWI
10. CPI/ UHP/HPC/AHP

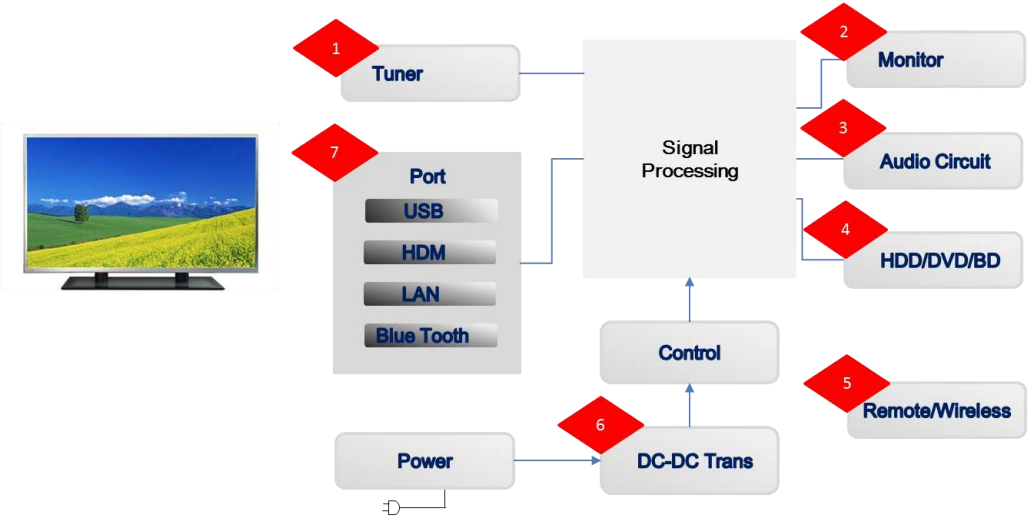
NB



1. HCI/FCM/HCB/HFZ
2. HCI/FCM/HCB/HFZ
3. UHP/DFP/HPC/AHP
4. HSF/HDMI/MCF
5. CPI/UHP/HPC/AHP
6. WCM/HSF/MCF
7. WCM/HSF/HDMI/MCF
8. HCI/SWI
9. HCI/SWI
10. CPI/ UHP/HPC/AHP/TMPC/TMPA
11. WCM/TXF/DCM

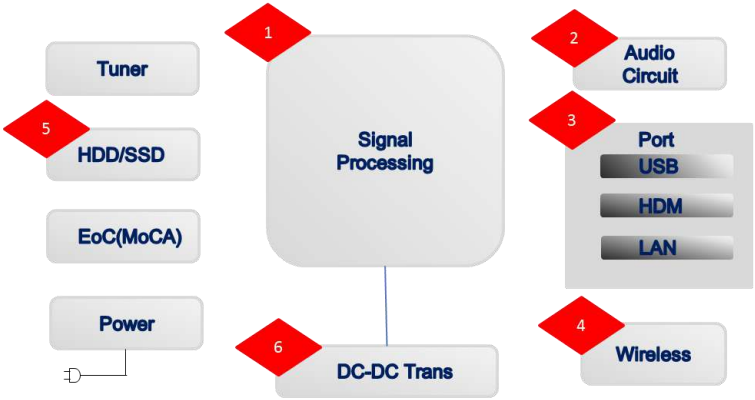
TV/Panel

TV/Panel



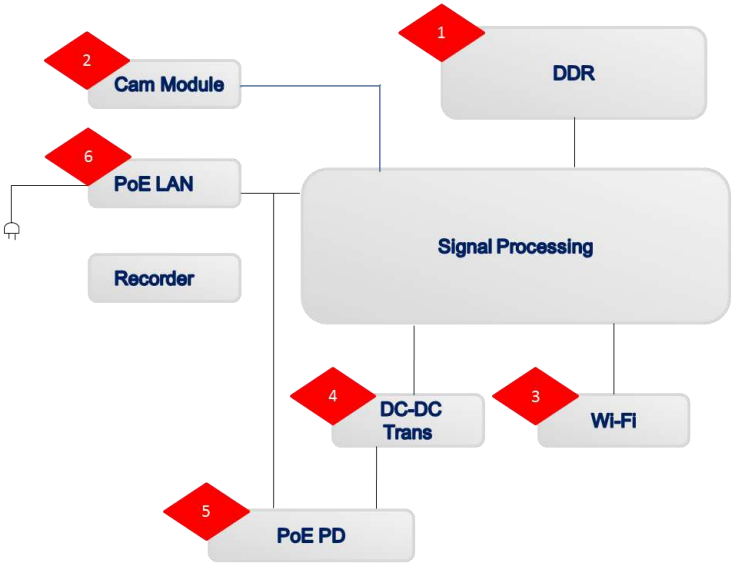
1. SWI/SWF/WCM
2. HPC/TMPC/TMPA/TMIM
3. TTMA/TMPC/TMPA
4. CPI/UHP/HPC/AHP/AWP
5. HCI/SWI
6. HPC/AHP/TMPC/TMPA
7. WCM/HDMI/TXF/DCM/MCF

Set-Up Box



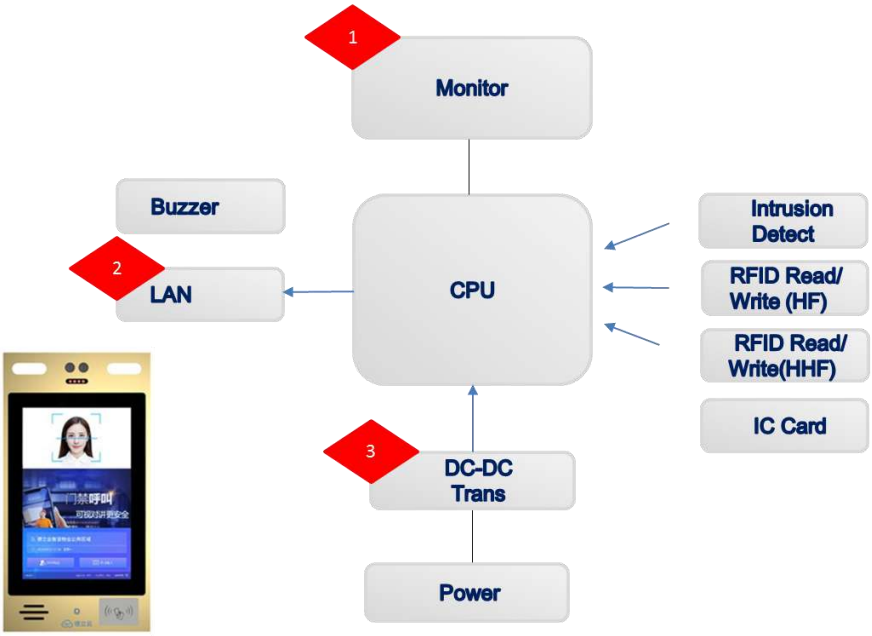
1. SWI/HCI/BCM/HCB
2. TTMA/TMPC/TMPA
3. WCM/HDMI/TXF/DCM/MCF
4. HCI/SWI
5. CPI/UHP/HPC/AHP/TMIM/AWP
6. UHP/HPC/AHP/TMPC/TMPA/BPH

Web Cam



1. HCI/FCM/HCB/HFZ
2. HCI/FCM/HCB/HFZ
3. SWI/SWF/HCI
4. HPC/TMPC/TMPA
5. WCM/TXF/DCM
6. WCM/TXF/DCM

Access Control System



1. HCI/UHP/AHP/TMIM/AWP
2. WCM/TXF/DCM/MCF
3. HCI/UHP/AHP/TMIM/TMPC/TMPA

Inductors Selection Guide by Thickness

Chip Coils / inductors

Thickness (mm)	Ferrite (Multilayer)	Ferrite (wire wound)	High Frequency (Multilayer)	High Frequency (wire wound)
0.60	FCI1005	-	HCI1005	SWI0402
1.00	FCI1608/FCI2012	SWF1608L	HCI1608	-
1.20	FCI2012	SWF1608C	-	SWI0603
1.50	FCI3216	SWF2012C	-	SWI0805
2.20	-	SWF2520C	-	SWI1008
2.50	-	SWF3225CV	-	-
0.35			HCI0603	

Power Inductors / Chokes

Thickness (mm)	Irms 2.0Amax.	Irms 3.0Amax.	Irms 5.0Amax.	Irms 7.0Amax.	Irms 10.0Amax.
0.80				AHP2016/2520	
1.00	FCH/CPI160809/2012 CPI2016/2520	HPC1608/2016/2520 HPC3010/4018	AHP/2016/2520	AHP2016/2520/3010/ AHP3225/4010	-
1.20	-	HPC2016/2520/3010 HPC4010/5012	HPC2016/2520	AHP2520/3012	-
1.50	-	HPC3015	-	AHP3015	-
2.00	-	HPC4020	HPC5020/6020	AHP3020/4020	-

Hi-Current Power Inductors

Thickness (mm)	Irms 6.0Amax.	Irms 10.0Amax.	Irms 20.0Amax.	Irms 30.0Amax	Irms Over 30.0A
0.80	TMIM1412/1608/2012 TMIM2016				
1.00	TMPA4040/6060 TMAF06 THMA03/04	TMIM2012/2016/2520 TMIM3225 TMAF03/04/05	-	-	-
1.20	TMPC03 TMAF0612	TMIM2012/2016/2520 TMIM3225/0412 TMAF03/04/05	TMPC03/04/05/06	-	-
1.50	-	TMPC03	TMPC03/04/05/06	-	-
1.80	-	-	TMPC05/06	-	-
2.00	-	TMPC03/10 TMPF04 TMIM	TMIM3225/0402 TMPC03/04/05/06/10 TMPF04/05/07 THMC0421	TMPA0402 TMPF0702 THMA0421	-
2.40	-	-	-		TMPC0624 THMC0524/0624
3.00	-	TMPA0503	TMPC1003/1203 TMPA0503/TMPF0403 TMPV0503/0603 TMIM0403/THMA0503	TMIM0503 TMPC0503/8030/1203 TMPF0503/0603/0703	TMPC0603 TMPF0603/8030 TMPA0603/1003 THMC0503
3.50	-	-	-	TMPC1235	-
4.00	-	-	TMPV0504	TMPA0604/8040/1004 TMPF0604/1004 TMPV1004	TMPC0604/8040/1004 TMPA1004 TMPV1054
Up to 5.00	-	-	TMPV0754 TMPF0705/0707/0808 TMPF1006	TMPC0605/1206 TMPF0605/0606/0808 TMPF1010	TMPC1005/1205/1206 TMPC1265/1707 TMPA0605/1004/1005 TMPA1205/1206/1265 TMPA1707/2313 TMPF1006/1010/1508 TMPF1510/1513 TMPV1265

Cross Reference

Ferrite Chip Beads				
TAI-TECH	muRata	TDK	TAIO YUDEN	Page
FCM1005	BLM15	MMZ1005	BK1005	34
FCM1608	BLM18	MMZ1608	BK1608	37
FCM2012	BLM21	MMZ2012	BK2125	40
FCM3216	BLM31			44
HCB1005	BLM15KG/PX	MPZ1005	BKP1005	47
HCB1608	BLM18KG	MPZ1608	BKP1608	49
HCB2012	BLM21PG	MPZ2012	BKP2125	51
HCB3216	BLM31PG		FBMH3216	53
HCB4516	BLM41PG		FBMH4516	55
HCB4532			FBMH4532	57
HFZ1005	BLM15PX	MPZ1005		59
HFZ1606	BLE18PS			61
HFZ1608	BLM18KG	MPZ1008		63
HFZ2012	BLM21SP			65
BPH322521				69
BPH323023				69
BPH403022				70
BPH403025				70
BPH853025				71
FCA3216	BLA31		BK3216-4	72
MCF0605	DLP0Q	TCM0605	MCF0605	74
MCF0806	DLP0N	MCZ0806	MCF0806	75

Common Mode Chokes				
TAI-TECH	muRata	TDK	TAIO YUDEN	Page
WCM1210				76
WCM1608				78
WCM2012	DLW21H/S	ACM2012		80
WCM3216	DLW31			83
WCM3225				86
WCM4532HI		ACM4520		88
WCM5025				117
WCM7060		ACM7060		119
WCM9070	1259CM	ACM90V	1259CM	122
WCM1211		ACM12V		124
HDMI2012	DLW21	ACM2012H		95
HSF1210			CM01	97
HSF1210-U4				100
HSF2012-H	DLW21	ACM2012H		102
TCM322512				104
ACM3225	DLW32SH/MH	ACT1210(D/G/L/P)		106
ACM4532	DLW43	ACT45(B、L)		109
DCM3216				111
DCM3532				114
DCM4532				116
BCM2012	DXW21	ATB2012		126
BCM3225				129

Cross Reference

Chip Coils / Inductors					
TAI-TECH	muRata	TDK	TAIO YUDEN	CoilCraft	Page
FCI1005		MLF1005	LK1005		130
FCI1608	LQM18N	MLF1608	LK1608		131
FCI2012	LQM21N	MLF2012	LK2125		132
FCI3216					133
SWF1608LF					134
SWF1608CF				0603LS	136
SWF2012CF					138
SWF2520CF					139
SWF3225CF		NLV32			140
SWF1608RIF					141
SWF2012RIF					142
HCI0603LF		MLG0603	HK0603		143
HCI1005LF	LQG15	MLG1005	HK1005		145
HCI0603FQ	LQP03	MHQ0603	HKQ0603		147
HCI1005FQ	LQG15	MLG1005			149
HCI1608	LQP18	MLG1608	HK1608		151
SWI0402					153
SWI0603	LQW18AN			0603CS	155
SWI0805U	LQW2BAS			0805CS	157
SWI1008	LQW2UAS			1008CS	159
PAS4420					161
PAS6420					162
PAS8027				TPL802727	163
PAS1225				TPL1183525	164
PASU3225		B82450A1084C000			165

Multilayer Type Power Inductors					
TAI-TECH	muRata	TDK	TAIO YUDEN	FDK	Page
CPI160809	LQM18P	MLP1608	CKP1608D		166
CPI201210	LQM21P	MLP2012	CKP2012	MIPSZ2012D	167
CPI201610	LQM2MP	MLP2016	CKP2016	MIPF2016D	168

Cross Reference

Sealed Type High Current Power Inductors					
TAI-TECH	muRata	Taiyo	TDK	SUNLORD	Page
DFP201612NF					176
DFP252010BF		MAKK2520			177
DFP3010EF					178
DFP322510BF					179
DFP4010EF					180
UHP160808TF					181
UHP201208TF					182
UHP201210RF					183
UHP201610NF			VLS201610		184
UHP252012BF			VLS252012		185
AHP201608RA					186
AHP201610BM		MEKK2016T	VSL201610	WPN201610	187
AHP201610FA		MEKK2016T	VLS2016HBX		188
AHP201610RA					189
AHP201612BM			VSL201612	WPN201612	190
AHP252008RA	DFE252008C				191
AHP252010BM			VLS252010	WPN252010	192
AHP252010FA			VLS252010HBX	WPN252010-HR	193
AHP252012BM	1239-AS		VLS252012		194
AHP252012FA	1239-AS			WPN252012-H	195
AHP252012RA					196
AHP3010BM		NRH3010T			197
AHP3012BM		NRH3012T	VLS3012		198
AHP3012HF					199
AHP3015BM			VLS3015		200
AHP3020BM					201
AHP322512BM					202
AHP4010HF					203
AHP4012HF					204
AHP4020BM			VLS4020		205

Cross Reference

Sealed Type Wire Wound Inductors					
TAI-TECH	TAIYOYUDEN	TDK	SUNLORD	Cyntec	Page
HPC160809TF					206
HPC201610BM					207
HPC201612BM					208
HPC252010BM			SWPA252010	PSL25201T	209
HPC252012BM			SWPA252012	PSL25201B	210
HPC3010BM			SWPA3010	PST031T	211
HPC3012BM			SWPA3012	PST031B	212
HPC3015BM	NRH3015	VLS3015	SWPA/SHP3015	PST031E	213
HPC322512BM					214
HPC3612BM					215
HPC4010BM			SWPA4010		216
HPC4012BM			SWPA4012		217
HPC4018NF	NRS4018	VLCF4018	SWPA4018	PST041H	218
HPC4020BM			SWPA4020		219
HPC4030NF			SWPA4030		220
HPC5012NF			SWPA5012		221
HPC5020NF	NRS5020	VLCF5020	SWPA5020	-	222
HPC5030NF					223
HPC5040NF	NRS5040	VSL5040	SWPA/SHP5040	PST054T	224
HPC6020NF	NRS6020	SLF6020	SWPA/SHP6020	PST062T	225
HPC6028NF	NRH6028	VSL6028	SWPA/SHP6028	PST062H	226
HPC6045NC	NRH6045	VSL6045	SWPA/SHP6045	PST064E	227
HPC8040NC	NRH8040	VSL8040	SWPA/SHP8040	PST084T	229

Power Inductors				
TAI-TECH	SUMIDA	TDK	TOKO	Page
FPI0302BM	CD32			230
FPI0403BM	CD43			232
FPI0503BM				234
FPI0504BM	CD54			235
FPI0703BM	CD73			237
FPI0705BM	CD75			238

Cross Reference

Hi-Current Vertical Power Inductors					
TAI-TECH	**VISHAY**	**Coil Craft**	**TOKO**	**Cyntec**	**Page**
TVMP106410LN					240
TVMP116799S					241
TVMP120611LN	IHVR-4024KE-51				242
THFD3822S	IHXL-1500VZ				243
THFD5022S	IHXL-2000VZ				244
TTMP1004X4	IHCL-4040dz-5A				245
TTMP1008N4				VCSC108T	247
TTMA1010P4					248
TTMA1094P4				VAMV1009AA	249

Molding Type High Current Power Inductor					
TAI-TECH	**TAIO YUDEN**	**TDK**	**muRata**	**Cyntec**	**Page**
AWP252010FW	MAKK2520T	VLS252010HBX		PSE2520	250
AWP252012FW	MAMK2520T	VLS252012HBX		PSE2520	251

Hi-Current Power Inductors					
TAI-TECH	**VISHAY**	**Coil Craft**	**TOKO**	**Cyntec**	**Page**
TMIM201610A				VCTA/VCUW20161T	252
TMIM201612A				VCTA/VCUW20161B	253
TMIM252010A				VCTA/VCUW25201T	254
TMIM252012A				VCTA/VCUW25201B	255
TMIM322510A				VCTA/VCUW32251T	256
TMIM322512A				VCTA/VCUW32251B	257
TMIM322512AL				VCTA/VCUW32251B	258
TMIM322520A				VCTA/VCUW32252T	259
TMIM353220A				VCTA/VCUW35322T	260
TMIM0302A				VCTA/VCUW030B	261
TMIM0412A				VCTA/VCUW031B	262
TMIM0402S				VCTA/VCUW040B	263
TMIM0403S				VCTA/VCUW040C	264
TMIM0503S				VCTA/VCUW050C	265
TMIM0302HL					266
TMIM322512HL					267
TMIM141208HL					268
TMIM141265HL					269
TMIM160808HL					270
TMIM201208HL					271
TMIM201210HL					272
TMIM201608HL					273
TMIM201610HL					274
TMIM252010HL					275
TMIM252012HL					276
TLVR966411				TLM966411F	375
TLVR100512				TLM105012F-700BX	376
TLVR110511					377

Cross Reference

Hi-Current Power Inductors					
TAI-TECH	VISHAY	Coil Craft	TOKO	Cyntec	Page
TMPA0603HT					277
TMPA1004HT					278
TMPA1265HT					279
TMPA0402S	IHLP-1616BZ			PCMB402T	280
TMPA0503S	IHLP-2020CZ			PCMB503T	281
TMPA0603S	IHLP-2525CZ			PCMB603T	282
TMPA0604S					283
TMPA0605S				PCMB065T	284
TMPA1003S				PCMB103T	285
TMPA1004S	IHLP-4040DZ			PCMB104T	286
TMPA1005S					287
TMPA1205SP					288
TMPA1206SP				PCMB136T	289
TMPA1265SP					290
TMPA1707SP					291
TMPA2313SP	IHLP-8787MZ				292
TMPA404010AF					293
TMPA606010AF					294
TMPV0503SP				VCMT053T	329
TMPV0504SP				VCHA054T	330
TMPV0603S				VCMT063T	331
TMPV0754S				VCHA075D	332
TMPV1004S				VCMT104T	333
TMPV1054S				VCMA105D	334
TMPV1265SP				VCMT136E	335
TMPF0402LR		XFL4020			336
TMPF0402A		XAL4020			337
TMPF0403LR		XFL4030			338
TMPF0502A		XAL5020			339
TMPF0503A		XAL5030			340
TMPF0505LR		XAL5050			341
TMPF0603A		XAL6030			342
TMPF0604A					343
TMPF0605A					344
TMPF0606LR		XFL6060			345
TMPF0702A		XAL7020			346
TMPF0703A		XAL7030			347
TMPF0705A		XAL7050			348
TMPF0707A		XFL7070			349
TMPF0808A		XAL8080			350
TMPF1006A		XAL1060			351
TMPF1010A		XAL1010			352
TMPF1508A		XAL1580			353
TMPF1510A		XAL1510			354
TMPF1513A		XAL1513			355
TBMA1004P4	IHLD4032KB				356

Cross Reference

Hi-Current Power Inductors					
TAI-TECH	VISHAY	TDK	TOKO	Cyntec	Page
TMPC0312H	IHLP-1212AB	SPM3012	FDSD0312	PCMC/PIME031B	295
TMPC0315H					296
TMPC0302H	IHLP-1212BZ			PCMC/PIMB032T	297
TMPC0412HP	IHLP-1616AB	SPM4012	FDSD0412	PCMC/PIMB041B	298
TMPC0415HP					299
TMPC0402HP	IHLP-1616BZ		FDSD0420	PCMC/PIMB042T	300
TMPC0512HP	IHLP-2020AB	SPM5012	FDSD0512	PCMC/PIMB051B	301
TMPC0515HP	IHLP-2020AE		FDSD0515	PCMC/PIME051E	302
TMPC0518HP	IHLP-2020AH		FDSD0518	PCMC/PIMB051H	303
TMPC0502HP	IHLP-2020BZ			PCMC/PIMB052T	304
TMPC0503HP	IHLP-2020CZ			PCMC/PIMB053T	305
TMPC053T				PCMC/PIMB053T	306
TMPC0612H	IHLP-2525AB			PCMC/PIME061B	307
TMPC0618H	IHLP-2525AH		FDV0618	PCMC/PIMB061H	308
TMPC0602H	IHLP-2525BZ		FDV0620	PCMC/PIMB062T	309
TMPC0624H	IHLP-2525BD			PCMC/PIMB062D	310
TMPC0603H	IHLP-2525CZ	SPM6530	FDV0630	PCMC/PIMB063T	311
TMPC0604H	IHLP-2525DZ		FDV0640	PCMC/PIMB064T	313
TMPC0605H	IHLP-2525EZ		FDV0650	PCMC/PIMB065T	314
TMPC8030HP					315
TMPC8040HP					316
TMPC1002H					317
TMPC1003H					318
TMPC1004H	IHLP-4040DZ		FDV1040	PCMC/PIMB104T	319
TMPC1005H	IHLP-4040EZ			PCMC/PIMB104E	321
TMPC1203HP					322
TPMC120804H					323
TMPC1235HP	IHLP-5050CE			PCMC/PIMB133E	324
TMPC1205HP	IHLP-5050EZ		FDU1250	PCMC/PIMB135T	325
TMPC1206HP	IHLP-5050FZ		FDU1260	PCMC/PIMB136T	326
TMPC1265HP	IHLP-5050FD			PCMC/PIMB136E	327
TMAF0301S					357
TMAF0312S					358
TMAF040HS					359
TMAF0401S					360
TMAF0412S					361
TMAF0501SP					362
TMAF0512SP					363
TMAF0601SP					364
TMAF0612SP					365
THMC0421SP					366
THMC0524S					367
THMC0503S					368
THMC0503SP					369
THMC0624S					370
THMA0301S					371
THMA040HS					372
THMA0421SP					373
THMA0503SP					374

Cross Reference

LAN Transformers					
TAI-TECH	**TDK**				**Page**
TXF4532	ACT4532				418
TXF4038					419
TXF4644					422
TXF564545					423
WCM2012-G					425
WCM2012-H					427

LAN Transformers Modules					
TAI-TECH	**VISHAY**	**Coil Craft**	**TOKO**	**Cyntec**	**Page**
LAN-12M162P	NS0013B				429
LAN-16G241P	GST5009				431
LAN-17G241P		H5007NL			432
LAN-28G481P1A8					433
LAN-16E241L1A8					434
LAN-16J241L1A9					435
LAN-16J241Q1A9					436
LAN-12M162L7A8					437
LAN-16G241L1A8					438
LAN-16E241Q1A9					439
LAN-16J241Q1A9					440
LAN-12M162C7A8					441
LAN-12M162C7A0					441
LAN-16G241C1A8					442
LAN-17G241C7A8					443
LAN-16E241C1A8					444
LAN-16E241F1A8					444

Part Numbering

■ Ferrite Chip Beads / Array

FCM	1608	KV	-	121	T	06
1	2	3		4	5	6

1 Series Name

Code	
FCM	Ferrite Chip Bead
HCB	High Current Ferrite Chip Bead
FCA	Ferrite Chip Bead Array

2 Dimension(AxB)

Code	Dimension(AxB)	EIA
1005	1.0mmx0.5mm	0402
1608	1.6mmx0.8mm	0603
2012	2.0mmx1.25mm	0805
3216	3.2mmx1.6mm	1206
4516	4.5mmx1.6mm	1806
4532	4.5mmx3.2mm	1812

3 Material Characteristics/Application,V:for Vehicle

Code	Meterial Characteristics
H	For General Use
K	
Z	For Low Speed
M	For High Speed Signal Lines
C	

4 Impedance

Code	Impedance(Ohm)
070	7Ω
700	70Ω
601	600Ω
202	2000Ω

5 Packaging

Code	Packaging
T	Plastic Taping(Φ180mm)
B	Bulk

6 Rated Current

Code	Rated Current(mA)
02	200
05	500
20	2000
60	6000

■ Common Mode Choke Coils / Balun

WCM	2012	F	2	S	V	-	900	T	04
1	2	3	4	5	6		7	8	9

1 Series Name

Code	Common Mode Choke Coil
WCM	Winding Common Mode Filter for USB 2.0
HDMI	Winding Common Mode Filter for HDMI
HSF	Winding Common Mode Filter for USB 3.0
TCM	Tri-wired Common Mode Filter
ACM	Winding Common Mode Filter for Car
BCM	Balun Filter

2 Dimension(AxB)

Code	Dimension(AxB)	EIA
0605	0.6mmx0.5mm	0202
0806	0.8mmx0.6mm	0302
1210	1.2mmx1.0mm	0504
2012	2.0mmx1.2mm	0805
3216	3.2mmx1.6mm	1206
3225	3.2mmx2.5mm	1210
4532	4.5mmx3.2mm	1812

3 Material Characteristics

Code	Material
F	Ferrite Material

4 Numbers of Signal Line

Code	Numbers of Signal Line
2	Two Lines
3	Three Lines
4	Four Lines

5 Type

Code	Type
S	Shielded Type
N	Non-Shielded Type

6 V: for Vehicle

7 Impedance

Code	Impedance(Ohm)
900	90Ω
121	120Ω
102	1000Ω

8 Packaging T: Taping and Reel

9 Rated Current

Code	Rated Current(mA)
02	200
10	1000

Part Numbering

■ Chip Coils / Inductors

FCI	2012	V	-	100	M
1	2	3		4	5

1 Series Name

Code	
FCI	Ferrite Chip Inductor
SWF	Wire wound Ferrite Chip Inductor
SWI	Wire Wound Ceramic Chip
PAS	Hearing Aid (HAC) Inductor

2 Dimension(AxB)

Code	Dimension(AxB)	EIA
0603	0.6mmx0.3mm	0201
1005	1.0mmx0.5mm	0402
1608	1.6mmx0.8mm	0603
2012	2.0mmx1.25mm	0805
2016	2.0mmx1.6mm	0806
2520	2.5mmx2.0mm	1008
3015	3.0mmx3.0mm	1212
3216	3.2mmx1.6mm	1206
3225	3.2mmx2.5mm	1210
3010	3.0mmx3.0mm	1212
4420	4.4mmx2.0mm	1808
6420	6.4mmx2.0mm	2508

3 V: for Vehicle

4 Inductance

Code	Inductance
1N0	1.0nH
10N	10nH
R10	100nH
1R0	1.0uH
100	10uH
101	100uH

5 Inductance Tolerance

Code	Inductance Tolerance
B	±0.1nH
C	±0.2nH
S	±0.3nH
G	±2%
H	±3%
J	±5%
K	±10%
L	±15%
M	±20%
Y	±30%

■ Power Inductors / Chokes

CPI	201210	UV	-	1R0	M	-	1A0
1	2	3		4	5		6

1 Series Name

Code	Common Mode Choke Coil
CPI	Multilayer Type Power Inductor
FCH	
AHP	Sealed Type Power Inductor
HPC	

2 Dimension

Code	Dimension(AxB)	EIA
1608	1.6mmx0.8mm	0603
2012	2.0mmx1.25mm	0805
201608/10	2.0mmx1.6mm	0806
252010/12	2.5mmx2.0mm	1008
322510/12	3.2mmx2.5mm	1210
3010/12/15	3.0mmx3.0mm	1212
4010/12/18	4.0mmx4.0mm	1616
5020/40	5.0mmx5.0mm	2020
6020/45	6.0mmx6.0mm	2424
8040	8.0mmx8.0mm	3232

3 Material

Code	Numbers of Signal Line
F	Ferrite Material For Wire wound Inductor
A	
B	
C	
CV	
NV	
UV	Ferrite Material For Multilayer Inductor
MV	
SV	

4 Inductance

Code	Inductance
R47	0.47uH
1R0	1.0uH
100	10uH
101	100uH

5 Inductance Tolerance

Code	Inductance Tolerance
K	±10%
M	±20%
Y	±30%

6 Rated Current

Code	Rated Current
0A6	0.60A
1A0	1.00A

Part Numbering

■ Hi-Current Power Inductors (Molding Type)

TMPC	0603	HV	-	4R7	M	-	D
1	2	3		4	5		6

1 Series Name

Code	
TMPC	Molding Type Hi-Current Power Inductor
TMPA	
TMPF	
TBMA	
TMIM	Mini Molding Type Hi-Current Power Inductor
TVMP	
TTMA	

2 Dimension

Code	Dimension(AxB)
201610	2.0mmx1.6mm
252010/12	2.5mmx2.0mm
0302	3.5mmx3.2mm
0315	3.5mmx3.2mm
0412/02	4.1mmx4.1mm
0415	4.45mmx4.06mm
0403	4.1mmx4.1mm
0512/15/18	5.7mmx5.2mm
0502/03/05	5.7mmx5.2mm
0612/18/24	7.0mmx6.6mm
0602	7.0mmx6.6mm
0603/04/05	7.3mmx6.6mm
0606/15	7.0mmx6.6mm
0702/03/05/07	7.8mmx7.6mm
0803/04	8.8mmx8.2mm
8040	8.8mmx8.4mm
1002/03/04/05	11mmx10mm
1235/05/06/65/07	13.5mmx12.6mm
1707	17mmx17mm
2313	23.5mmx22mm
120804	13mmx8mm
404010	4.2mmx4.15mm
606010	6.1mmx6.1mm

3 Material

Code	Material/Type
AV	Material/Type
UV	
TV	
SV	
HV	
HTV	
HPV	
LRV	
LNV	
SPV	

4 Inductance

Code	Inductance
R47	0.47uH
1R0	1.0uH
100	10uH
101	100uH

5 Inductance Tolerance

Code	Inductance Tolerance
M	±20%
Y	±30%

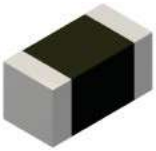
6 Control No.

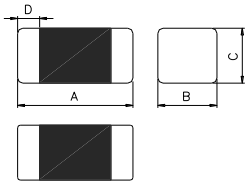
Ferrite Chip Beads

FCM 1005 Series

(0402 inch -55~+125℃)

■ Dimensions





Dimensions	
A	1.00±0.10
B	0.50±0.10
C	0.50±0.10
D	0.25±0.10

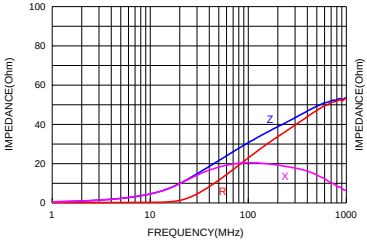
Units: mm

■ Specifications

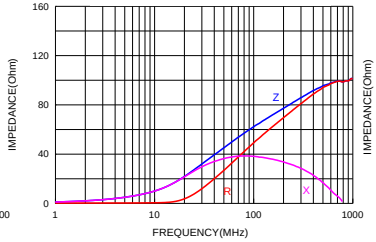
Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
FCM1005KF-300T03	30±25%	100	0.20	300
FCM1005KF-600T03	60±25%	100	0.25	300
FCM1005KF-121T01	120±25%	100	0.30	100
FCM1005KF-151T01	150±25%	100	0.30	100
FCM1005KF-221T01	220±25%	100	0.40	100
FCM1005KF-301T01	300±25%	100	0.50	100
FCM1005KF-471T01	470±25%	100	0.65	100
FCM1005KF-601T00	600±25%	100	0.80	80
FCM1005KF-102T00	1000±25%	100	1.20	50
FCM1005MF-600T01	60±25%	100	0.30	100
FCM1005MF-121T00	120±25%	100	0.45	80
FCM1005MF-221T00	220±25%	100	0.60	50
FCM1005MF-301T00	300±25%	100	0.75	50

■ Impedance-Frequency Characteristics (Typical)

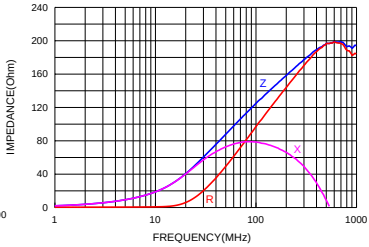
FCM1005KF-300T03



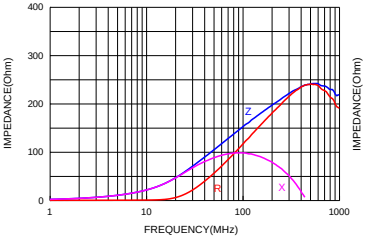
FCM1005KF-600T03



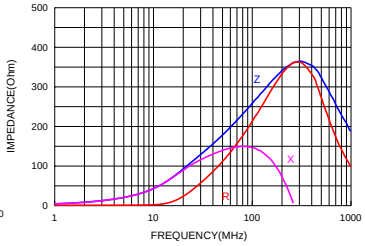
FCM1005KF-121T01



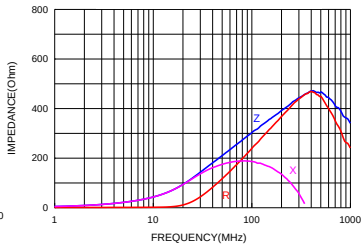
FCM1005KF-151T01



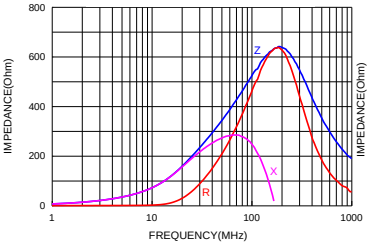
FCM1005KF-221T01



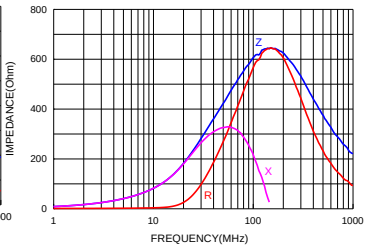
FCM1005KF-301T01



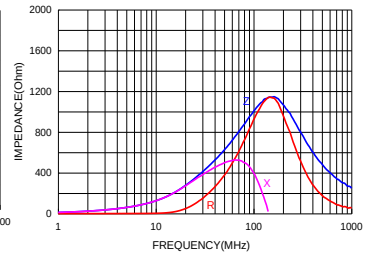
FCM1005KF-471T01



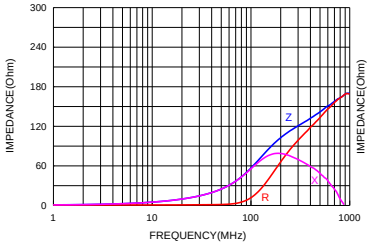
FCM1005KF-601T00



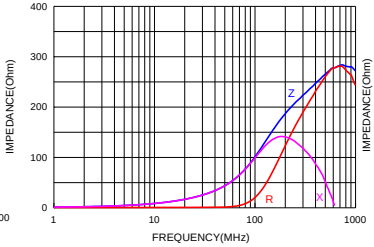
FCM1005KF-102T00



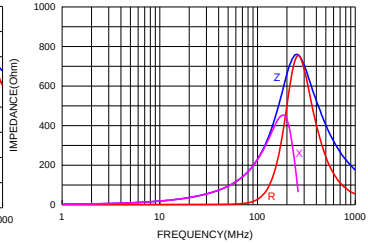
FCM1005MF-600T01



FCM1005MF-121T00

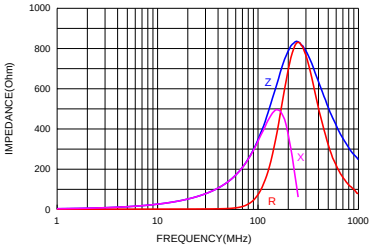


FCM1005MF-221T00



■ Impedance-Frequency Characteristics (Typical)

FCM1005MF-301T00

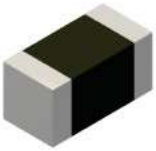


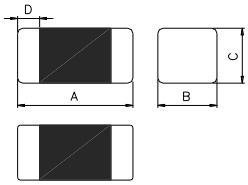
Ferrite Chip Beads

FCM 1608 Series

(0603 inch -55~+125℃)

■ Dimensions





Dimensions	
A	1.60±0.15
B	0.80±0.15
C	0.80±0.15
D	0.30±0.20

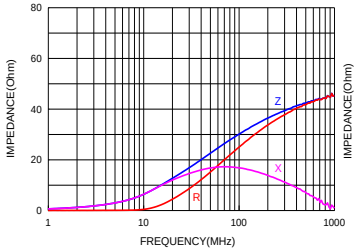
Units: mm

■ Specifications

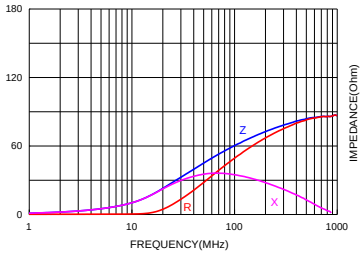
Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
FCM1608KF-300T07	30±25%	100	0.20	700
FCM1608KF-600T07	60±25%	100	0.20	700
FCM1608KF-121T06	120±25%	100	0.25	600
FCM1608KF-151T06	150±25%	100	0.25	600
FCM1608KF-221T05	220±25%	100	0.30	550
FCM1608KF-301T05	300±25%	100	0.35	500
FCM1608KF-471T03	470±25%	100	0.45	350
FCM1608KF-601T03	600±25%	100	0.50	350
FCM1608KF-102T02	1000±25%	100	0.70	200
FCM1608HF-152T02	1500±25%	100	1.00	200
FCM1608HF-202T01	2000±25%	100	1.20	150
FCM1608CF-100T07	10±25%	100	0.20	700
FCM1608CF-300T06	30±25%	100	0.25	600
FCM1608CF-600T06	60±25%	100	0.30	600
FCM1608CF-121T03	120±25%	100	0.40	300
FCM1608CF-151T03	150±25%	100	0.40	300
FCM1608CF-221T02	220±25%	100	0.60	250
FCM1608CF-301T02	300±25%	100	0.80	200
FCM1608CF-471T02	470±25%	100	0.85	200
FCM1608CF-601T01	600±25%	100	1.20	150

■ Impedance-Frequency Characteristics (Typical)

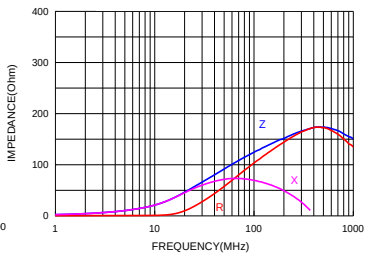
FCM1608KF-300T07



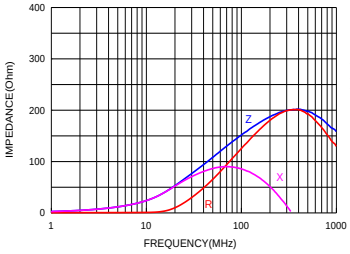
FCM1608KF-600T07



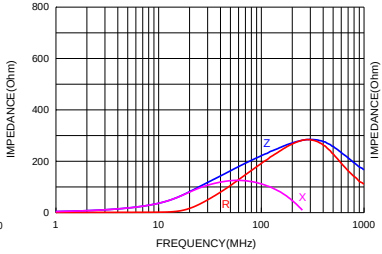
FCM1608KF-121T06



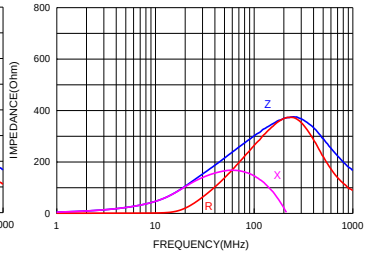
FCM1608KF-151T06



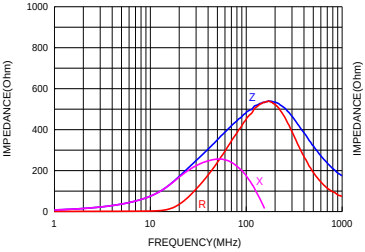
FCM1608KF-221T05



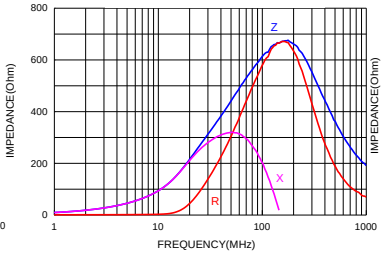
FCM1608KF-301T05



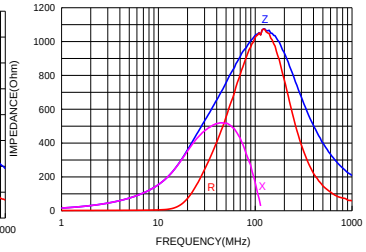
FCM1608KF-471T03



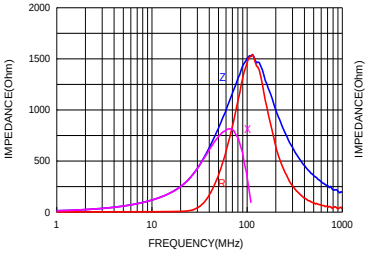
FCM1608KF-601T03



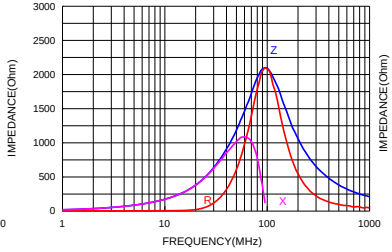
FCM1608KF-102T02



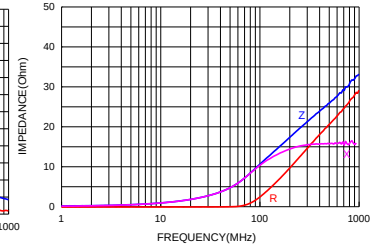
FCM1608HF-152T02



FCM1608HF-202T01

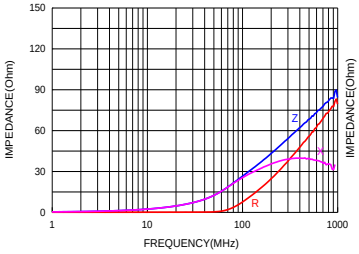


FCM1608CF-100T07

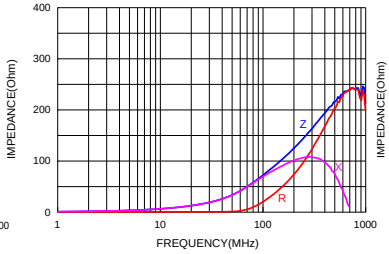


■ Impedance-Frequency Characteristics (Typical)

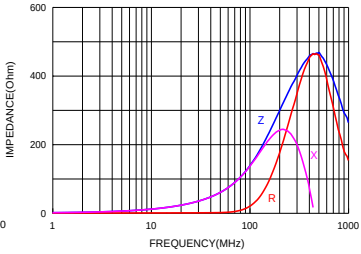
FCM1608CF-300T06



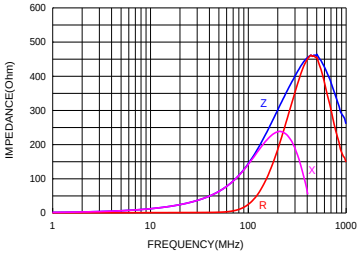
FCM1608CF-600T06



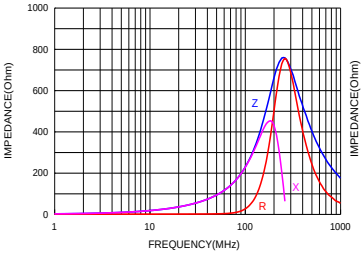
FCM1608CF-121T03



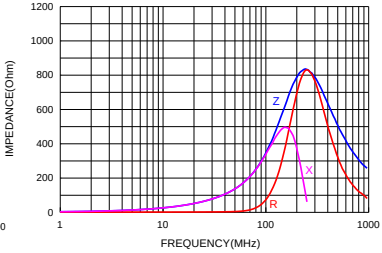
FCM1608CF-151T03



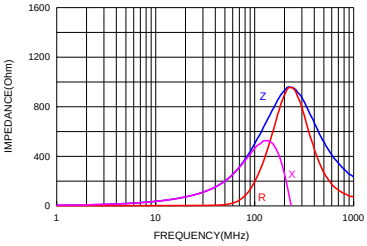
FCM1608CF-221T02



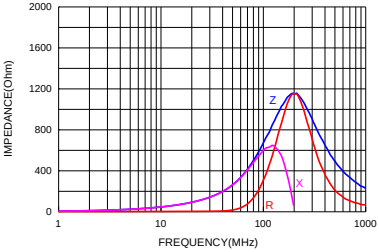
FCM1608CF-301T02



FCM1608CF-471T02



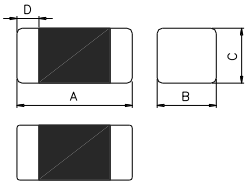
FCM1608CF-601T01



FCM 2012 Series

(0805 inch -55~+125℃)

■ Dimensions



Dimensions		
A	2.00±0.20	
B	1.25±0.20	
C	0.85±0.20	1.25±0.20
D	0.50±0.30	

Units: mm

■ Specifications

Part Number	Thickness C size(mm)	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
FCM2012KF-110T09	0.85±0.20	11±25%	100	0.10	900
FCM2012KF-170T06	0.85±0.20	17±25%	100	0.10	600
FCM2012KF-260T06	0.85±0.20	26±25%	100	0.10	600
FCM2012KF-300T06	0.85±0.20	30±25%	100	0.10	600
FCM2012KF-400T06	0.85±0.20	40±25%	100	0.10	600
FCM2012KF-600T09	0.85±0.20	60±25%	100	0.10	900
FCM2012KF-121T08	0.85±0.20	120±25%	100	0.20	800
FCM2012KF-151T08	0.85±0.20	150±25%	100	0.20	800
FCM2012KF-221T07	0.85±0.20	220±25%	100	0.30	750
FCM2012KF-301T07	0.85±0.20	300±25%	100	0.30	700
FCM2012KF-471T07	0.85±0.20	470±25%	100	0.35	700
FCM2012KF-601T05	0.85±0.20	600±25%	100	0.40	500
FCM2012KF-102T04	0.85±0.20	1000±25%	100	0.45	400
FCM2012HF-102T04	0.85±0.20	1000±25%	100	0.45	400
FCM2012HF-152T03	0.85±0.20	1500±25%	100	0.50	350
FCM2012HF-202T02	0.85±0.20	2000±25%	100	0.60	250
FCM2012NF-070T06	0.85±0.20	7±25%	100	0.10	600
FCM2012CF-600T07	0.85±0.20	60±25%	100	0.20	700
FCM2012CF-121T06	0.85±0.20	120±25%	100	0.25	600
FCM2012CF-151T06	0.85±0.20	150±25%	100	0.25	600

FCM 2012 Series

(0805 inch -55~+125℃)

■ Specifications

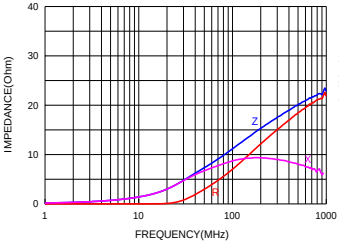
Part Number	Thickness C size(mm)	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
FCM2012CF-221T04	0.85±0.20	220±25%	100	0.30	400
FCM2012CF-301T04	0.85±0.20	300±25%	100	0.35	400
FCM2012CF-471T04	1.25±0.20	470±25%	100	0.40	400
FCM2012CF-601T03	1.25±0.20	600±25%	100	0.45	300

FCM 2012 Series

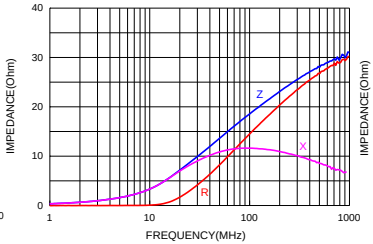
(0805 inch -55~+125℃)

■ Impedance-Frequency Characteristics (Typical)

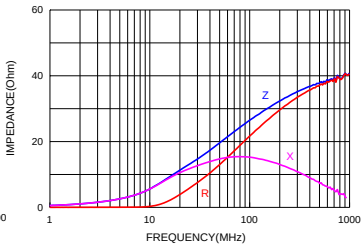
FCM2012KF-110T09



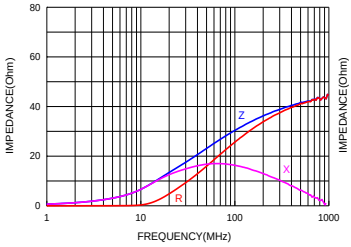
FCM2012KF-170T06



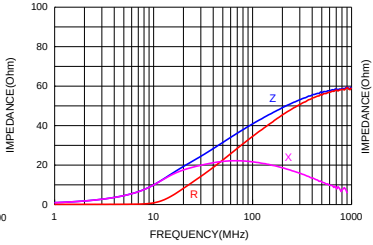
FCM2012KF-260T06



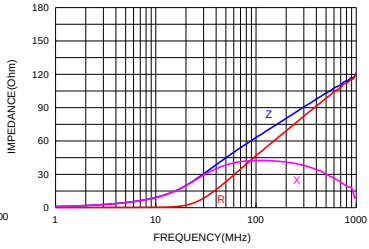
FCM2012KF-300T06



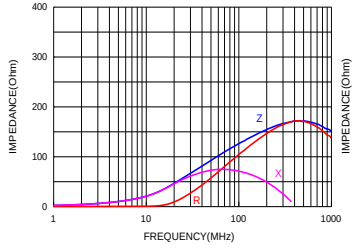
FCM2012KF400T06



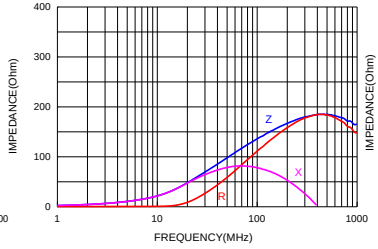
FCM2012KF-600T09



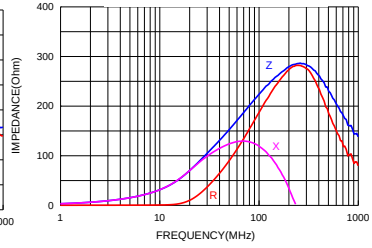
FCM2012KF-121T08



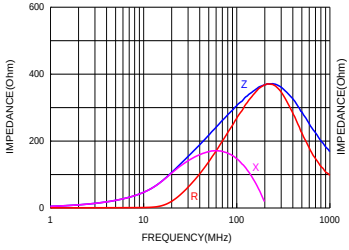
FCM2012KF-151T08



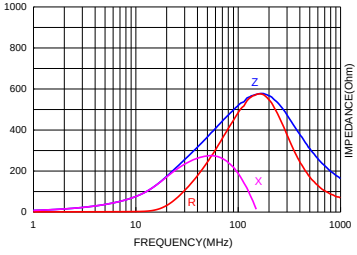
FCM2012KF-221T07



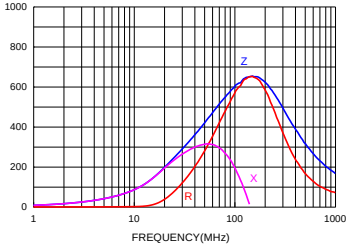
FCM2012KF-301T07



FCM2012KF-471T07



FCM2012KF-601T05

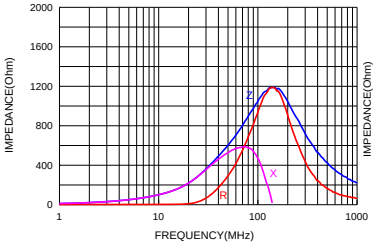


FCM 2012 Series

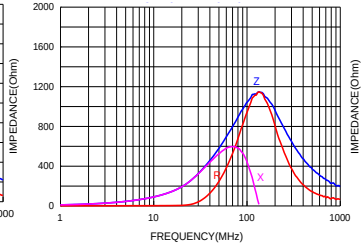
(0805 inch -55~+125℃)

■ Impedance-Frequency Characteristics (Typical)

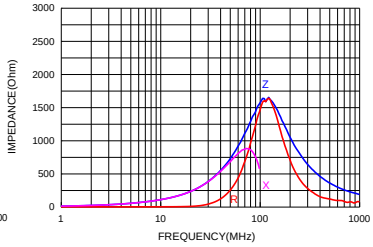
FCM2012KF-102T04



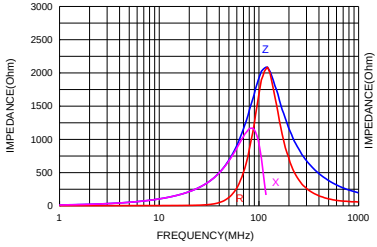
FCM2012HF-102T04



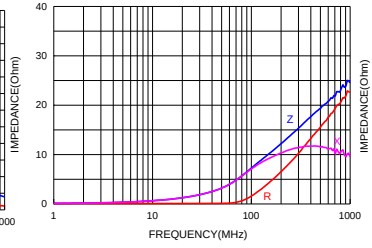
FCM2012HF-152T03



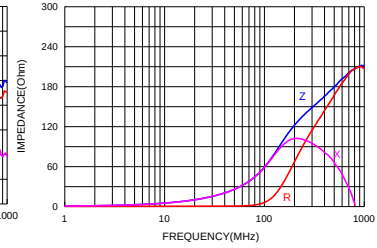
FCM2012HF-202T02



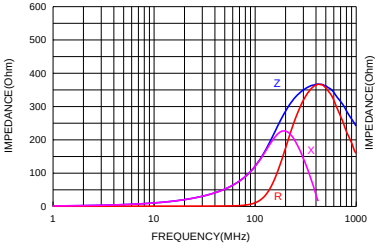
FCM2012NF-070T06



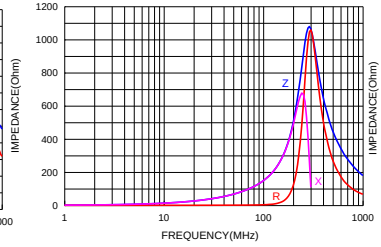
FCM2012CF-600T07



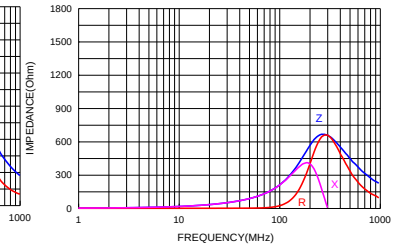
FCM2012CF-121T06



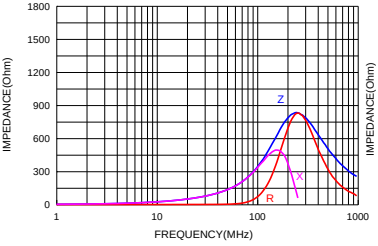
FCM2012CF-151T06



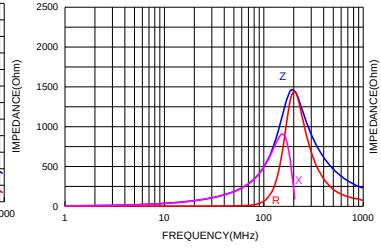
FCM2012CF-221T04



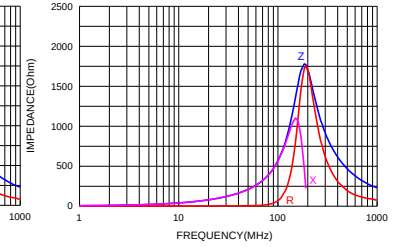
FCM2012CF-301T04



FCM2012CF-471T04



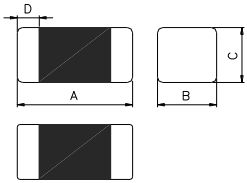
FCM2012CF-601T03



FCM 3216 Series

(1206 inch-55~+125℃)

■ Dimensions



Dimensions	
A	3.20±0.20
B	1.60±0.20
C	1.10±0.20
D	0.50±0.30

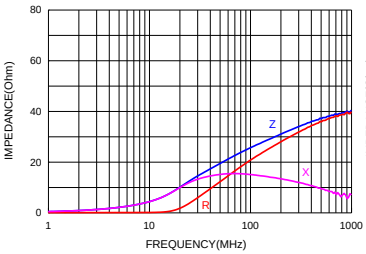
Units: mm

■ Specifications

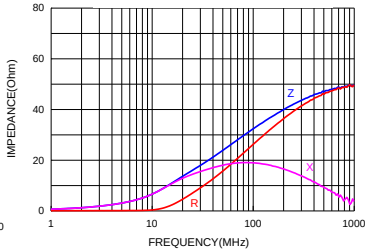
Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
FCM3216KF-260T05	26±25%	100	0.20	500
FCM3216KF-310T05	31±25%	100	0.20	500
FCM3216KF-420T05	42±25%	100	0.20	500
FCM3216KF-500T05	50±25%	100	0.20	500
FCM3216KF-700T05	70±25%	100	0.20	500
FCM3216KF-900T05	90±25%	100	0.20	500
FCM3216KF-121T09	120±25%	100	0.15	900
FCM3216KF-151T09	150±25%	100	0.15	900
FCM3216KF-201T06	200±25%	100	0.35	600
FCM3216KF-221T07	220±25%	100	0.35	700
FCM3216KF-301T07	300±25%	100	0.35	700
FCM3216KF-471T04	470±25%	100	0.35	400
FCM3216KF-601T04	600±25%	100	0.40	400

■ Impedance-Frequency Characteristics (Typical)

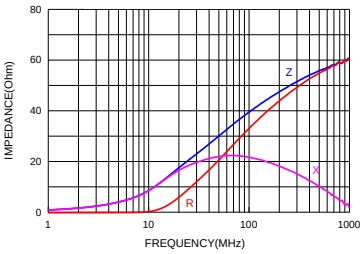
FCM3216KF-260T05



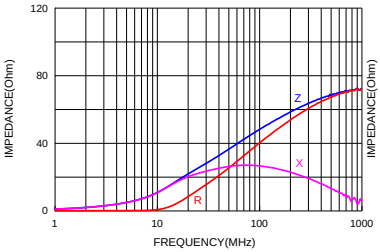
FCM3216KF-310T05



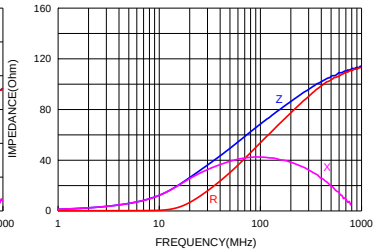
FCM3216KF-420T05



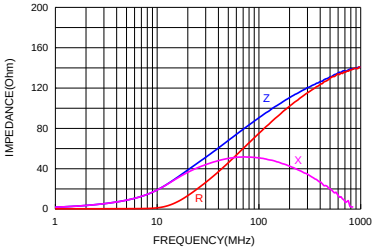
FCM3216KF-500T05



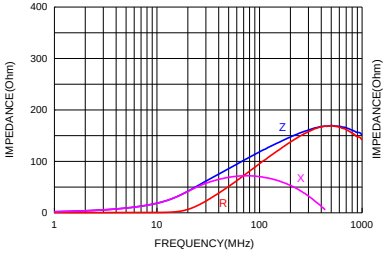
FCM3216KF-700T05



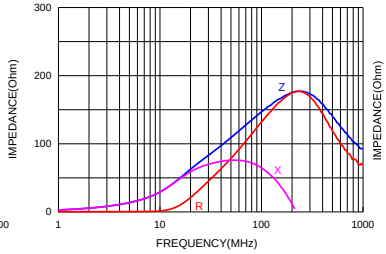
FCM3216KF-900T05



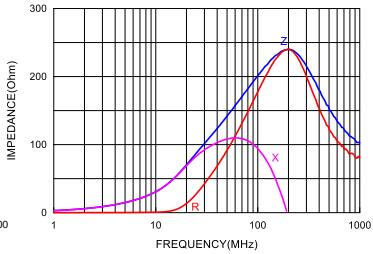
FCM3216KF-121T09



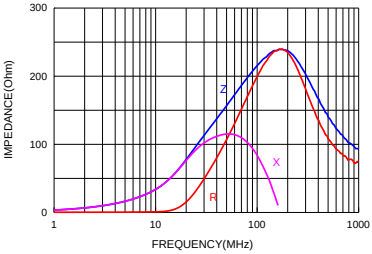
FCM3216KF-151T09



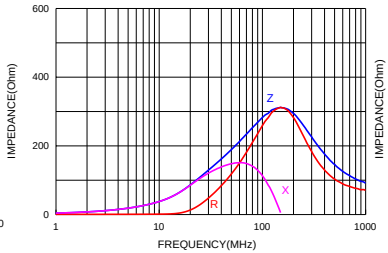
FCM3216KF-201T06



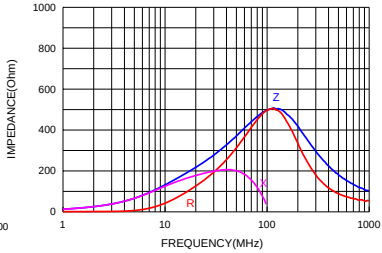
FCM3216KF-221T07



FCM3216KF-301T07

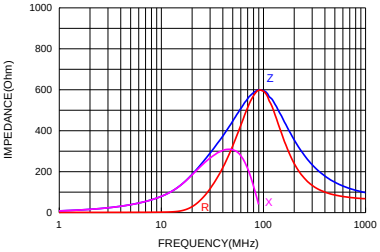


FCM3216KF-471T04



■ Impedance-Frequency Characteristics (Typical)

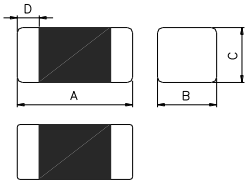
FCM3216KF-601T04



HCB 1005 Series

(0402 inch -55~+125℃)

■ Dimensions



Dimensions	
A	1.00±0.10
B	0.50±0.10
C	0.50±0.10
D	0.25±0.10

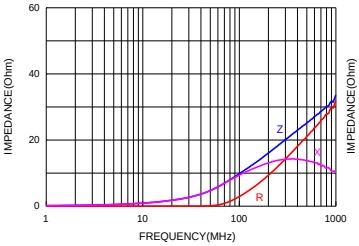
Units: mm

■ Specifications

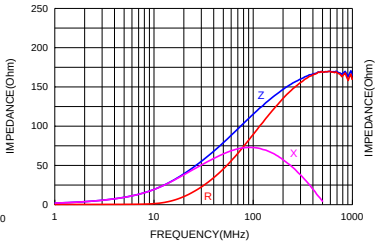
Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
HCB1005MF-100T25	10±25%	100	0.050	2500
HCB1005KF-121T20	120±25%	100	0.095	2000
HCB1005KF-221T15	220±25%	100	0.150	1500
HCB1005PF-330T30	33±25%	100	0.022	3000
HCB1005PF-600T25	60±25%	100	0.032	2500
HCB1005PF-800T23	80±25%	100	0.038	2300

■ Impedance-Frequency Characteristics (Typical)

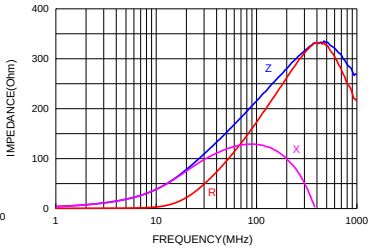
HCB1005MF-100T25



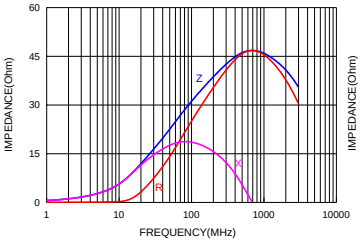
HCB1005KF-121T20



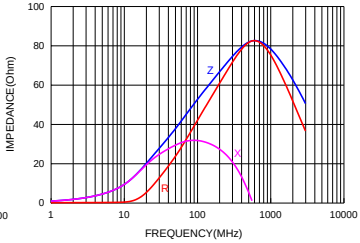
HCB1005KF-221T15



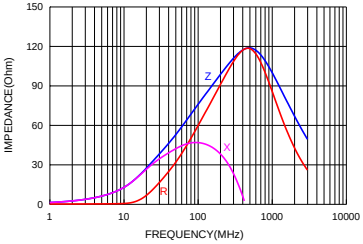
HCB1005PF-330T30



HCB1005PF-600T25



HCB1005PF-800T23

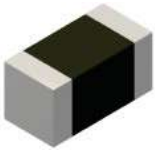


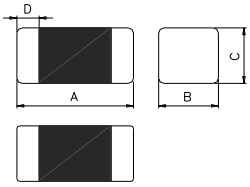
High Current Ferrite Chip Beads

HCB 1608 Series

(0603 inch -55~+125℃)

■ Dimensions





Dimensions		
A	1.60±0.15	
B	0.80±0.15	
C	0.80±0.15	0.60±0.15
D	0.30±0.20	

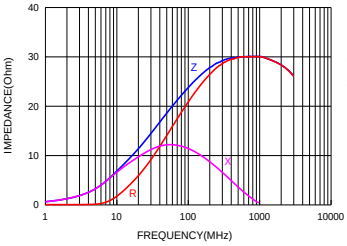
Units: mm

■ Specifications

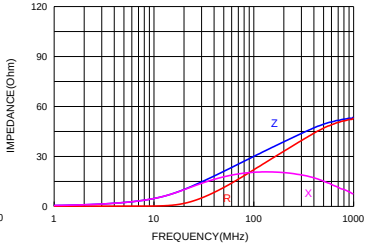
Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.	Height (mm) max.
HCB1606ZF-260T60	26±25%	100	0.01	6000	0.75
HCB1608KF-300T30	30±25%	100	0.04	3000	0.95
HCB1608KF-800T30	80±25%	100	0.04	3000	0.95
HCB1608KF-121T20	120±25%	100	0.10	2000	0.95
HCB1608KF-151T20	150±25%	100	0.10	2000	0.95
HCB1608KF-221T20	220±25%	100	0.10	2000	0.95
HCB1608KF-301T10	300±25%	100	0.20	1000	0.95
HCB1608KF-471T10	470±25%	100	0.20	1000	0.95
HCB1608KF-601T10	600±25%	100	0.20	1000	0.95

■ Impedance-Frequency Characteristics (Typical)

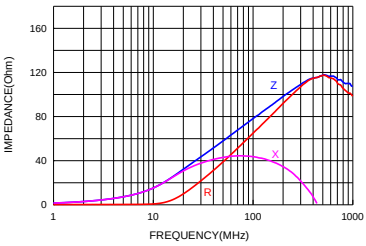
HCB1606ZF-260T60



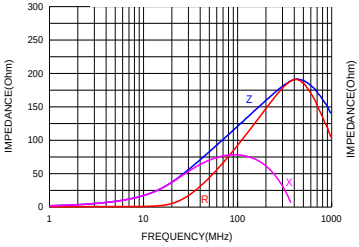
HCB1608KF-300T30



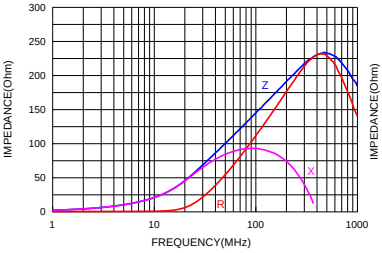
HCB1608KF-800T30



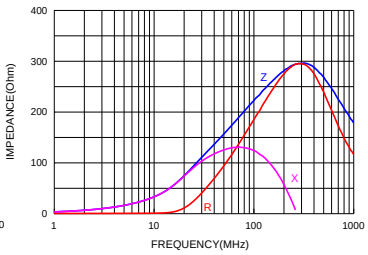
HCB1608KF-121T20



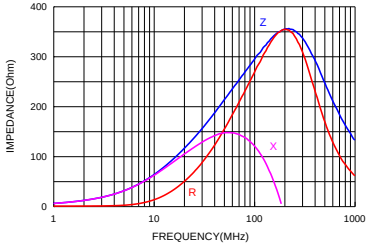
HCB1608KF-151T20



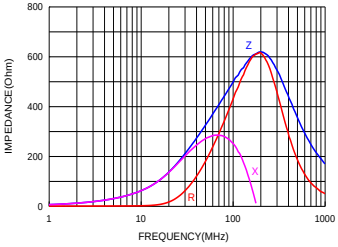
HCB1608KF-221T20



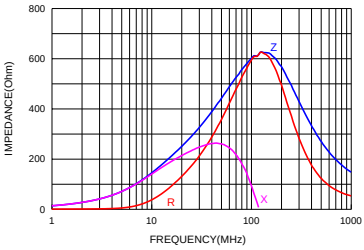
HCB1608KF-301T10



HCB1608KF-471T10



HCB1608KF-601T10

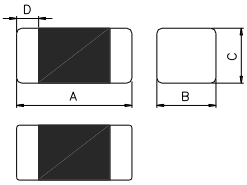


High Current Ferrite Chip Beads

HCB 2012 Series

(0805 inch -55~+125℃)

■ Dimensions



Dimensions	
A	2.00±0.20
B	1.25±0.20
C	0.85±0.20
D	0.50±0.30

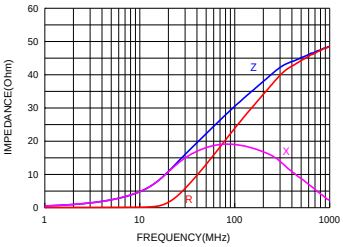
Units: mm

■ Specifications

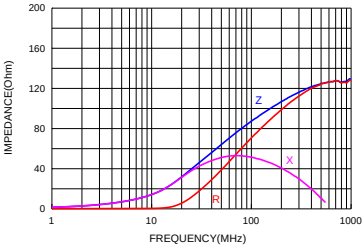
Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
HCB2012KF-300T30	30±25%	100	0.04	3000
HCB2012KF-800T30	80±25%	100	0.04	3000
HCB2012KF-121T20	120±25%	100	0.10	2000
HCB2012KF-151T20	150±25%	100	0.10	2000
HCB2012KF-221T20	220±25%	100	0.10	2000
HCB2012KF-301T10	300±25%	100	0.20	1000
HCB2012KF-471T10	470±25%	100	0.20	1000
HCB2012KF-601T10	600±25%	100	0.20	1000

■ Impedance-Frequency Characteristics (Typical)

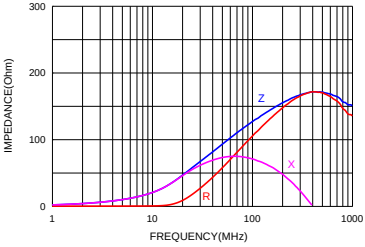
HCB2012KF-300T30



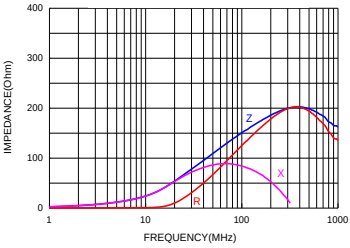
HCB2012KF-800T30



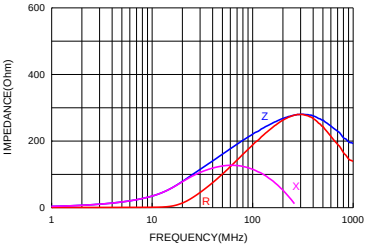
HCB2012KF-121T20



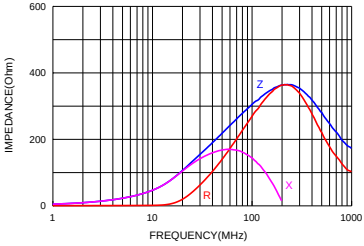
HCB2012KF-151T20



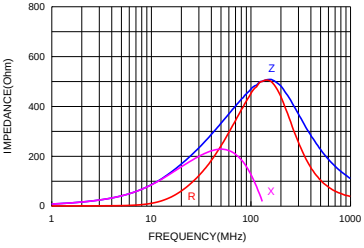
HCB2012KF-221T20



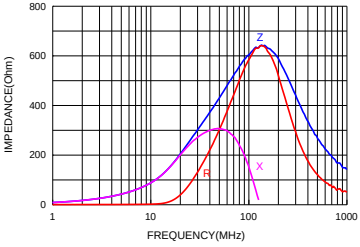
HCB2012KF-301T10



HCB2012KF-471T10



HCB2012KF-601T10

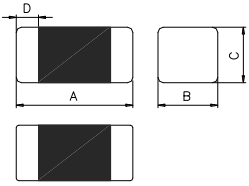


High Current Ferrite Chip Beads

HCB 3216 Series

(1206 inch -55~+125℃)

■ Dimensions



Dimensions	
A	3.20±0.20
B	1.60±0.20
C	1.10±0.20
D	0.50±0.30

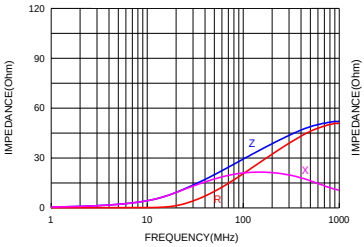
Units: mm

■ Specifications

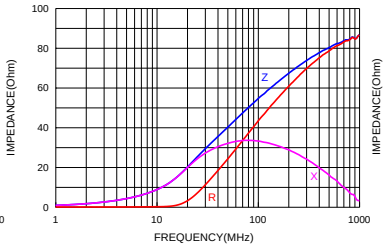
Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
HCB3216KF-300T30	30±25%	100	0.04	3000
HCB3216KF-500T30	50±25%	100	0.04	3000
HCB3216KF-800T30	80±25%	100	0.04	3000
HCB3216KF-121T20	120±25%	100	0.10	2000
HCB3216KF-151T20	150±25%	100	0.10	2000
HCB3216KF-301T10	300±25%	100	0.20	1000
HCB3216KF-471T10	470±25%	100	0.20	1000
HCB3216KF-501T30	500±25%	100	0.04	3000
HCB3216KF-601T20	600±25%	100	0.10	2000

■ Impedance-Frequency Characteristics (Typical)

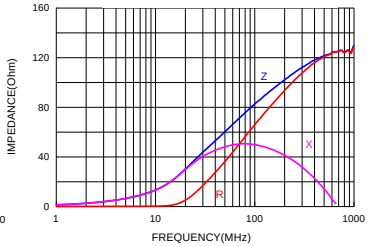
HCB3216KF-300T30



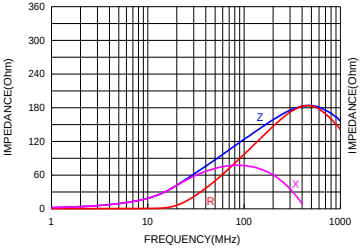
HCB3216KF-500T30



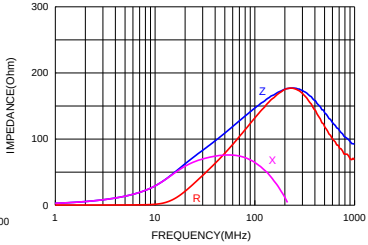
HCB3216KF-800T30



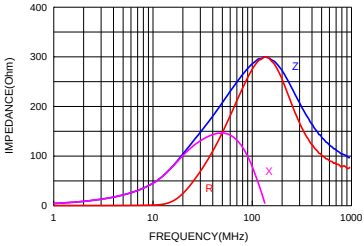
HCB3216KF-121T20



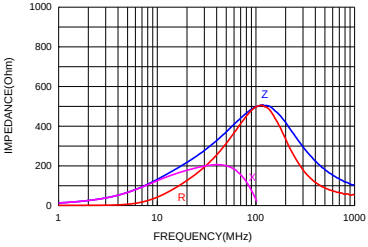
HCB3216KF-151T20



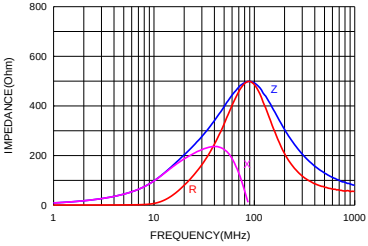
HCB3216KF-301T10



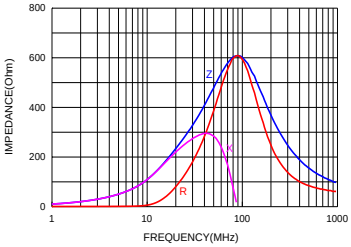
HCB3216KF-471T10



HCB3216KF-501T30



HCB3216KF-601T20

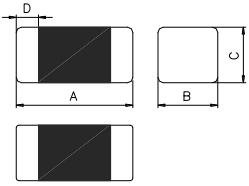


High Current Ferrite Chip Beads

HCB 4516 Series

(1806 inch -55~+125℃)

■ Dimensions



Dimensions	
A	4.50±0.20
B	1.60±0.20
C	1.60±0.20
D	0.50±0.30

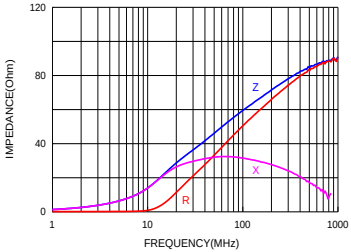
Units: mm

■ Specifications

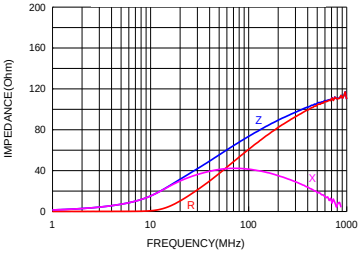
Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
HCB4516KF-600T60	60±25%	100	0.01	6000
HCB4516KF-800T30	80±25%	100	0.04	3000

■ Impedance-Frequency Characteristics (Typical)

HCB4516KF-600T60



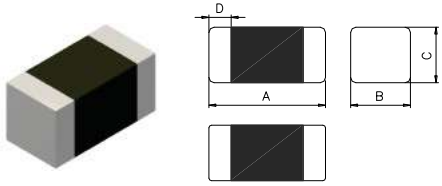
HCB4516KF-800T30



HCB 4532 Series

(1812 inch -55~+125℃)

■ Dimensions



Dimensions	
A	4.50±0.20
B	3.20±0.20
C	1.50±0.20
D	0.50±0.30

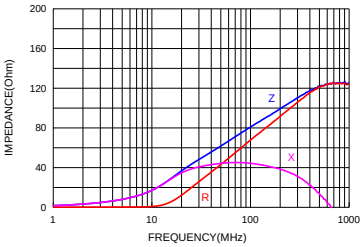
Units: mm

■ Specifications

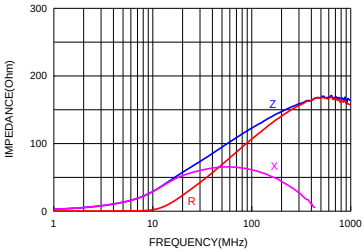
Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
HCB4532KF-800T60	80±25%	100	0.01	6000
HCB4532KF-121T50	120±25%	100	0.02	5000
HCB4532KF-131T30	130±25%	100	0.04	3000
HCB4532KF-151T50	150±25%	100	0.02	5000
HCB4532MF-681T40	680±25%	100	0.03	4000
HCB4532MF-132T30	1300±25%	100	0.06	3000

■ Impedance-Frequency Characteristics (Typical)

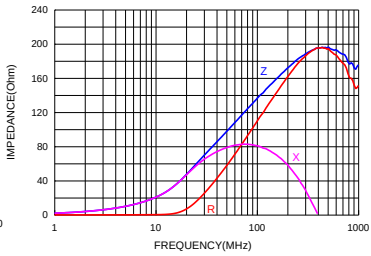
HCB4532KF-800T60



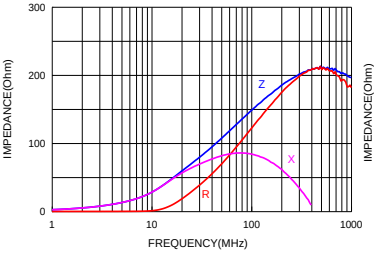
HCB4532KF-121T50



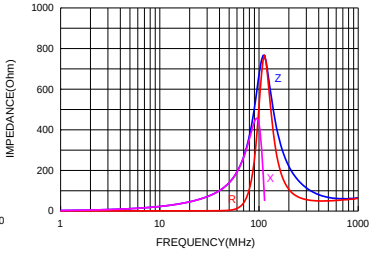
HCB4532KF-131T30



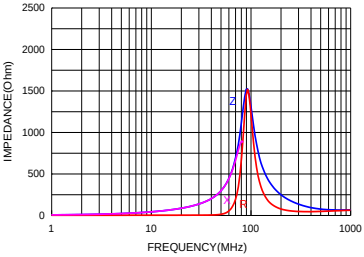
HCB4532KF-151T50



HCB4532MF-681T40



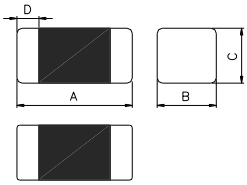
HCB4532MF-132T30



HFZ 1005 Series

(0402 inch -55~+125℃)

■ Dimensions



Dimensions	
A	1.00±0.10
B	0.50±0.10
C	0.50±0.10
D	0.25±0.10

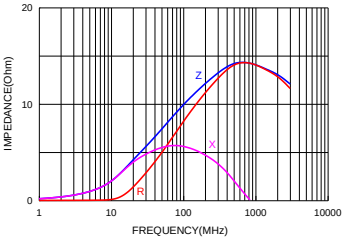
Units: mm

■ Specifications

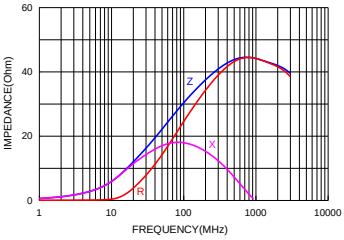
Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
HFZ1005PF-100T40	10±25%	100	0.018	4000
HFZ1005PF-300T30	30±25%	100	0.022	3000
HFZ1005PF-600T25	60±25%	100	0.032	2500
HFZ1005PF-800T23	80±25%	100	0.038	2300
HFZ1005PF-121T20	120±25%	100	0.050	2000
HFZ1005PF-221T15	220±25%	100	0.095	1500
HFZ1005PF-301T12	300±25%	100	0.150	1200
HFZ1005PF-471T11	470±25%	100	0.180	1100
HFZ1005PF-601T10	600±25%	100	0.200	1000

■ Impedance-Frequency Characteristics (Typical)

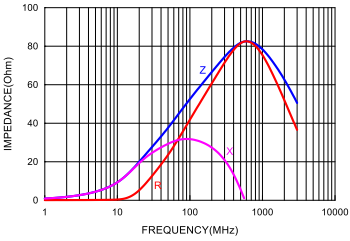
HFZ1005PF-100T40



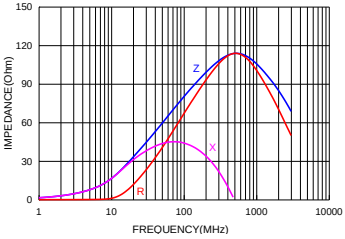
HFZ1005PF-300T30



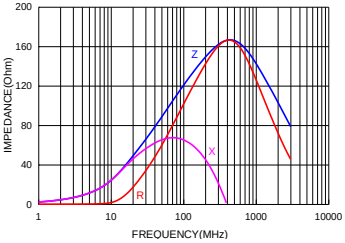
HFZ1005PF-600T25



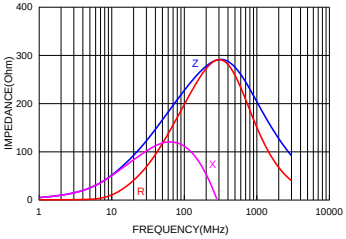
HFZ1005PF-800T23



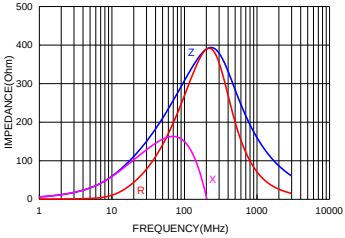
HFZ1005PF-121T20



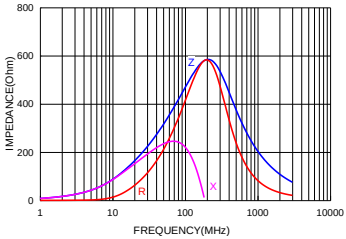
HFZ1005PF-221T15



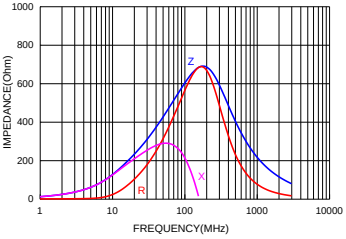
HFZ1005PF-301T12



HFZ1005PF-471T11



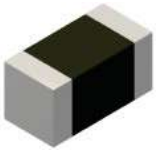
HFZ1005PF-601T10

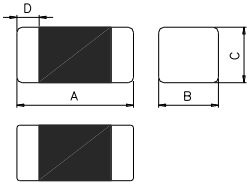


HFZ 1606 Series

(0603 inch -55~+125℃)

■ Dimensions





Dimensions	
A	1.60±0.15
B	0.80±0.15
C	0.60±0.15
D	0.30±0.20

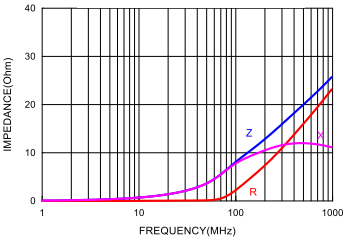
Units: mm

■ Specifications

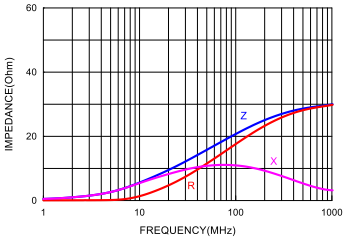
Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
HFZ1606CF-080T80	8±25%	100	0.004	8000
HFZ1606ZF-220T80	22±25%	100	0.004	8000

■ Impedance-Frequency Characteristics (Typical)

HFZ1606CF-080T80



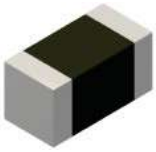
HFZ1606ZF-220T80

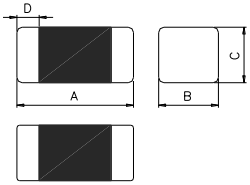


HFZ 1608 Series

(0603 inch -55~+125℃)

■ Dimensions





Dimensions	
A	1.60±0.15
B	0.80±0.15
C	0.80±0.15
D	0.30±0.20

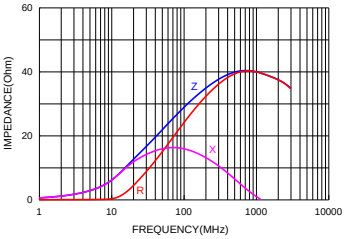
Units: mm

■ Specifications

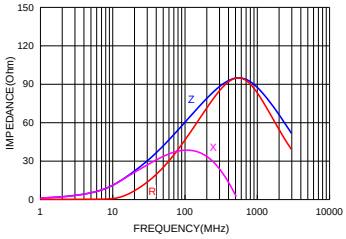
Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
HFZ1608PF-300T50	30±25%	100	0.010	5000
HFZ1608PF-600T40	60±25%	100	0.020	4000
HFZ1608PF-800T30	80±25%	100	0.030	3000
HFZ1608PF-101T30	100±25%	100	0.030	3000
HFZ1608PF-121T30	120±25%	100	0.035	3000
HFZ1608PF-151T25	150±25%	100	0.040	2500
HFZ1608PF-221T23	220±25%	100	0.050	2300
HFZ1608PF-301T22	300±25%	100	0.070	2200
HFZ1608PF-471T20	470±25%	100	0.090	2000
HFZ1608PF-601T20	600±25%	100	0.095	2000
HFZ1608PF-102T15	1000±25%	100	0.150	1500

■ Impedance-Frequency Characteristics (Typical)

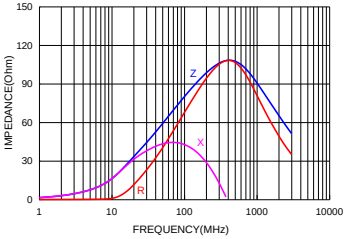
HFZ1608PF-300T50



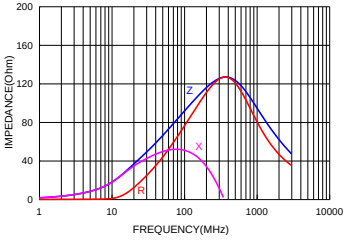
HFZ1608PF-600T40



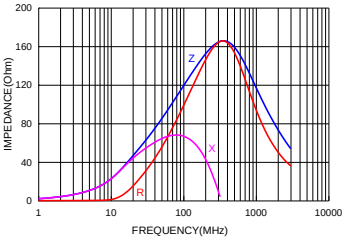
HFZ1608PF-800T30



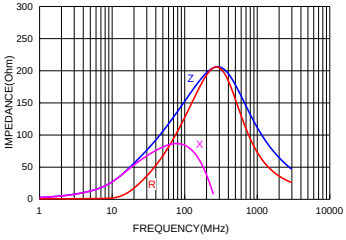
HFZ1608PF-101T30



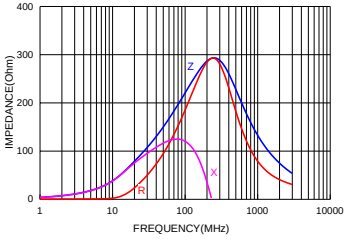
HFZ1608PF-121T30



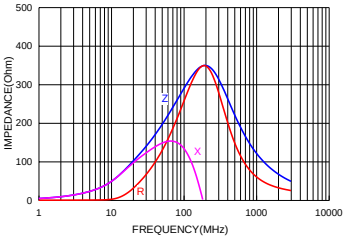
HFZ1608PF-151T25



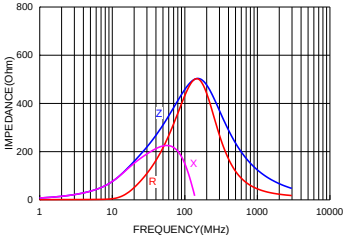
HFZ1608PF-221T23



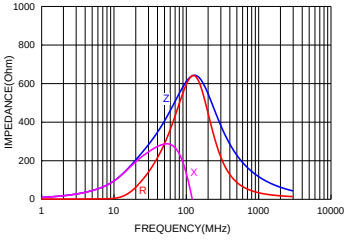
HFZ1608PF-301T22



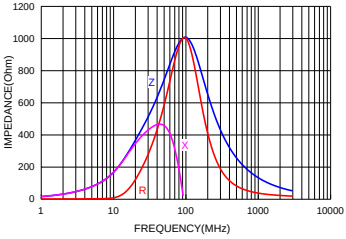
HFZ1608PF-471T20



HFZ1608PF-601T20



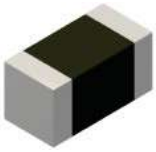
HFZ1608PF-102T15

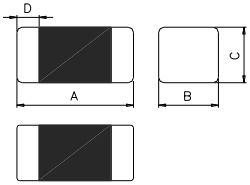


HFZ 2012 Series

(0805 inch-55~+125℃)

■ Dimensions





Dimensions	
A	2.00±0.20
B	1.25±0.20
C	0.85±0.20
D	0.50±0.30

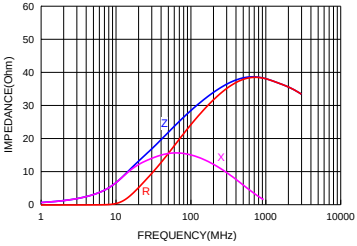
Units: mm

■ Specifications

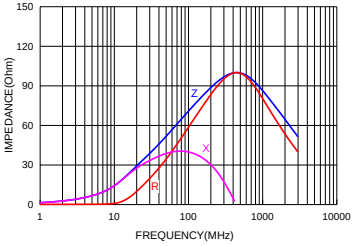
Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
HFZ2012PF-300T85	30±25%	100	0.004	8500
HFZ2012PF-700T60	70±25%	100	0.009	6000
HFZ2012PF-111T50	110±25%	100	0.013	5000
HFZ2012PF-181T40	180±25%	100	0.020	4000
HFZ2012PF-331T28	330±25%	100	0.040	2800
HFZ2012PF-471T25	470±25%	100	0.050	2500
HFZ2012PF-601T23	600±25%	100	0.060	2300
HFZ2012PF-102T16	1000±25%	100	0.120	1600

■ Impedance-Frequency Characteristics (Typical)

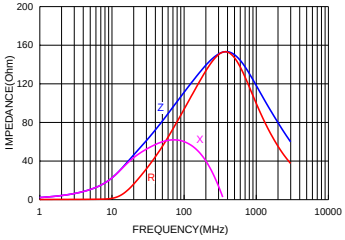
HFZ2012PF-300T85



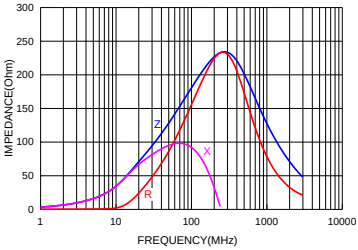
HFZ2012PF-700T60



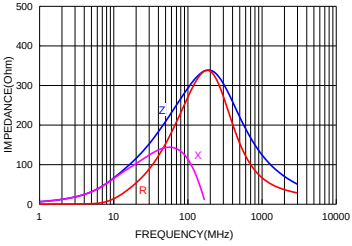
HFZ2012PF-111T50



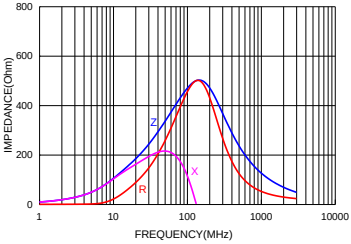
HFZ2012PF-181T40



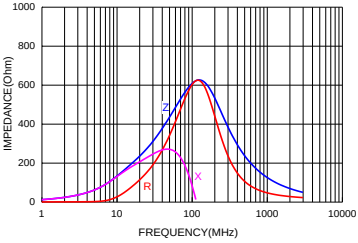
HFZ2012PF-331T28



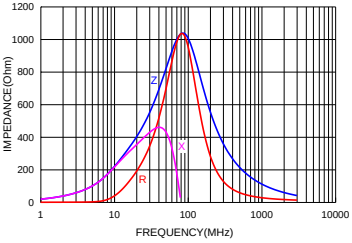
HFZ2012PF-471T25



HFZ2012PF-601T23



HFZ2012PF-102T16

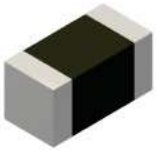


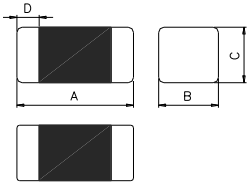
High Current Ferrite Chip Beads

HFZ 3216 Series

(1206 inch -55~+125℃)

■ Dimensions





Dimensions	
A	3.20±0.20
B	1.60±0.20
C	1.10±0.20
D	0.50±0.30

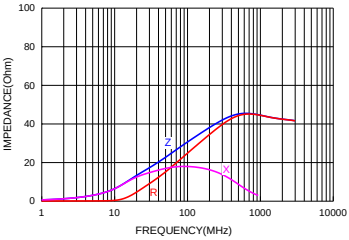
Units: mm

■ Specifications

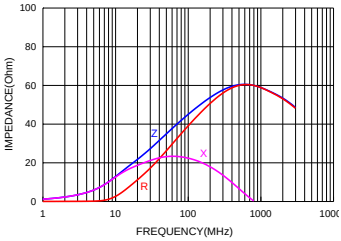
Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
HFZ3216PF-300T110	30±25%	100	0.0025	11000
HFZ3216PF-500T120	50±25%	100	0.0025	12000
HFZ3216PF-121T60	120±25%	100	0.0090	6000
HFZ3216PF-271T45	270±25%	100	0.0160	4500
HFZ3216PF-471T40	470±25%	100	0.0200	4000
HFZ3216PF-601T29	600±25%	100	0.0380	2900
HFZ3216PF-801T25	800±25%	100	0.0500	2500
HFZ3216PF-102T20	1000±25%	100	0.0750	2000

■ Impedance-Frequency Characteristics (Typical)

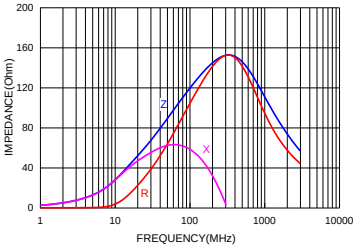
HFZ3216PF-300T110



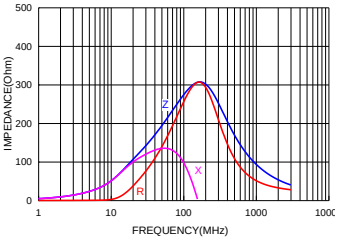
HFZ3216PF-500T120



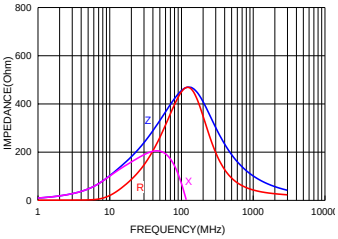
HFZ3216PF-121T60



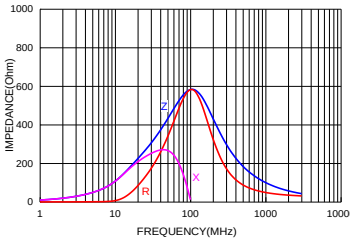
HFZ3216PF-271T45



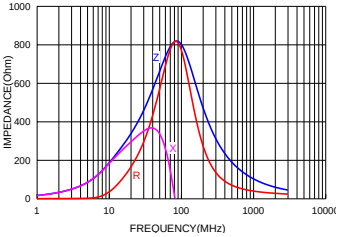
HFZ3216PF-471T40



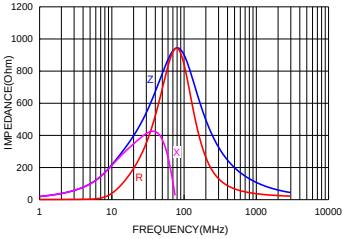
HFZ3216PF-601T29



HFZ3216PF-801T25



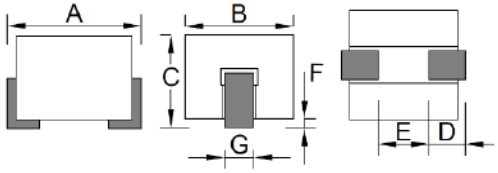
HFZ3216PF-102T20



BPH 32XX Series

(1210 inch -40~+125℃)

■ Dimensions



BPH322521W5 Dimensions						
A	B	C	D	E	F	G
3.10 ±0.15	2.50±0.15	2.15±0.15	0.85±0.20	1.20±0.20	0.00～0.10	0.70±0.10

BPH323023W5 Dimensions						
A	B	C	D	E	F	G
3.08 +0.10/-0.15	2.90 ±0.10	2.20 ±0.10	0.80 ±0.20	1.20Min.	0.00～0.11	0.85 ±0.10

Units: mm

■ Specifications

Part Number	Impedance ohm at 25 MHz	Impedance ohm at 100 MHz	DC Resistance (mΩ) max	Rated Current(A)
				ΔT= 40℃TYP
BPH322521W5-350T	25±25%	35±25%	0.60	21.0

Note:
Rated Current :(1) : Chroma high current test fixture.

Part Number	Impedance ohm at 25 MHz	Impedance ohm at 100 MHz	DC Resistance (mΩ) max	Rated Current(A)	
				ΔT= 40℃TYP	ΔT= 60℃TYP
BPH323023W5-400T	23±25%	40±25%	0.60	21.0(1) 15.0(2)	26.0(1) 18.0(2)

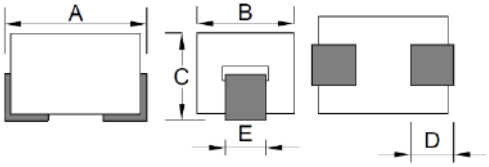
Note:
Rated Current: (1) : Chroma high current test fixture.
(2) :PCB test fixture (30x45mm copper pattern , 50um copper thickness).

Ultra High Current Ferrite Beads

BPH 4030 Series

(1612 inch-40~+125℃)

■ Dimensions



BPH403022 Dimensions				
A	B	C	D	E
3.90～4.50	3.00±0.15	2.20 Max	1.00±0.20	1.25±0.15

Units: mm

BPH403025 Dimensions				
A	B	C	D	E
4.30～5.10	3.10±0.15	2.70～3.10	1.35±0.20	1.35±0.15

Units: mm

■ Specifications

Part Number	Impedance ohm at 25 MHz	Impedance ohm at 100 MHz	DC Resistance (mΩ)max	Rated Current(A)	
				ΔT= 40℃TYP	ΔT= 60℃TYP
BPH403022R5-400T-G	24±25%	40±25%	0.70	20.0	28.0
BPH403025R5-530T	35±25%	53±25%	0.60	35.0(1) 15.0(2)	45.0(1) 18.0(2)

Part Number	Impedance ohm at 1 MHz	Impedance ohm at 10 MHz	DC Resistance (mΩ)max	Rated Current(A)	
				ΔT= 40℃TYP	ΔT= 60℃TYP
BPH403025MN5-470TP	20±25%	47±25%	0.75	24.0(1) 10.0(2)	28.0(1) 13.0(2)

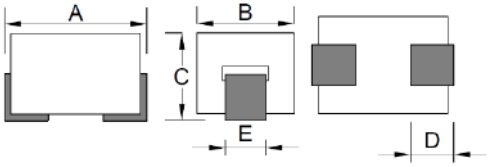
Note:
Rated Current:
(1) : Chroma high current test fixture.
(2) :PCB test fixture (30x45mm copper pattern , 50um copper thickness).

Ultra High Current Ferrite Beads

BPH 8530 Series

(3412 inch-40~+125℃)

■ Dimensions



BPH853025 Dimensions				
A	B	C	D	E
9.00±0.40	3.00±0.15	2.80 ±0.25	1.50±0.50	1.25±0.20

Units: mm

■ Specifications

Part Number	Impedance ohm at 25 MHz	Impedance ohm at 100 MHz	DC Resistance (mΩ)max	Rated Current(A)	
				ΔT= 40℃TYP	ΔT= 60℃TYP
BPH853025R5-101T	65±25%	100±25%	1.00	30.0(1) 13.0(2)	40.0(1) 18.0(2)

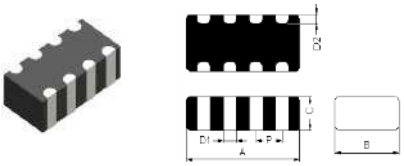
Note:
Rated Current:
(1) : Chroma high current test fixture.
(2) :PCB test fixture (30x45mm copper pattern , 50um copper thickness).

Ferrite Chip Bead Array

FCA 3216 Series

(1206 inch -55~+125℃)

■ Dimensions



Dimensions	
A	3.20±0.20
B	1.60±0.20
C	0.90±0.20
D1	0.40±0.15
D2	0.30±0.10
P	0.80±0.10

Units: mm

■ Specifications

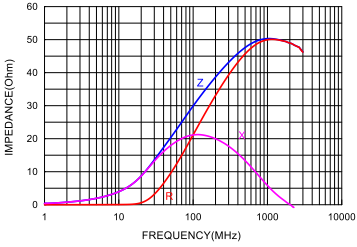
Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
FCA3216KF4-300T05	30±25%	100	0.20	500
FCA3216KF4-600T04	60±25%	100	0.25	400
FCA3216KF4-121T03	120±25%	100	0.30	350
FCA3216KF4-301T02	300±25%	100	0.40	250
FCA3216KF4-601T02	600±25%	100	0.50	200
FCA3216KF4-102T01	1000±25%	100	0.75	150

FCA3216 Series

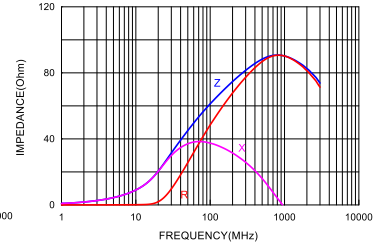
(1206 inch -55~+125℃)

■ Impedance-Frequency Characteristics (Typical)

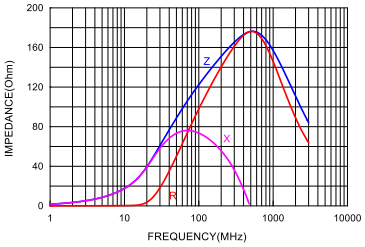
FCA3216KF4-300T05



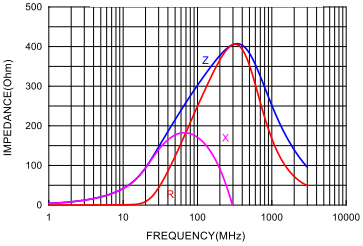
FCA3216KF4-600T04



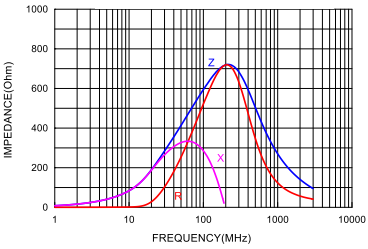
FCA3216KF4-121T03



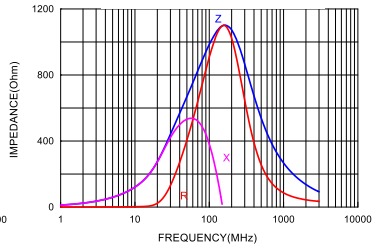
FCA3216KF4-301T02



FCA3216KF4-601T02



FCA3216KF4-102T01

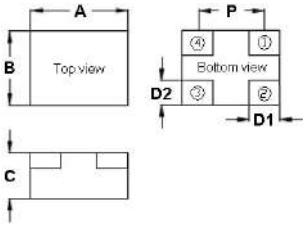


Chip Common Mode Filter

MCF0605 Series

(02502 inch -25~+85℃)

■ Dimensions



Dimensions	
A	0.65±0.05
B	0.50±0.05
C	0.30±0.05
P	0.30±0.10
D1	0.20±0.05
D2	0.15±0.10

Units: mm

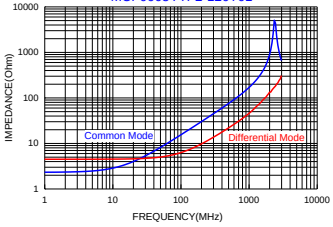
■ Specifications

o

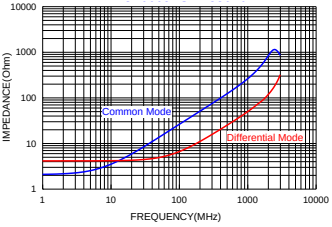
Part Number	Common Mode Impedance (Ω)	Test Frequency (MHz)	Rated Voltage (Vdc)	Insulation Resistance (MΩ) min.	DC Resistance (Ω) max.	Rated Current (mA) max.
MCF0605YTF2-120T01	9~15	100	5	10	2.8	100
MCF0605YGF2-350T01	19~35	100	5	10	2.5	100
MCF0605YGF2-900T01	90±25%	100	5	10	5.2	100

■ Impedance-Frequency Characteristics (Typical)

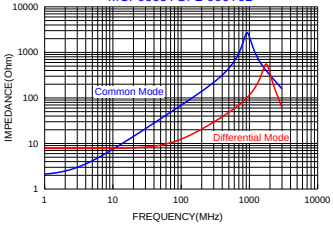
MCF0605YTF2-120T01



MCF0605YGF2-350T01



MCF0605YGF2-900T01

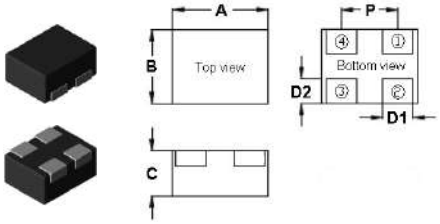


Chip Common Mode Filter

MCF0806 Series

(03025 inch -25~+85℃)

■ Dimensions



Dimensions	
A	0.85±0.05
B	0.65±0.05
C	0.40±0.05
P	0.50±0.10
D1	0.27±0.05
D2	0.20±0.10

Units: mm

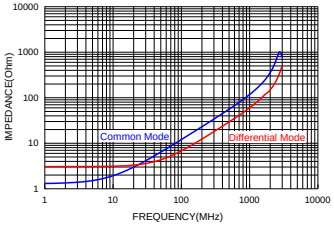
■ Specifications

o

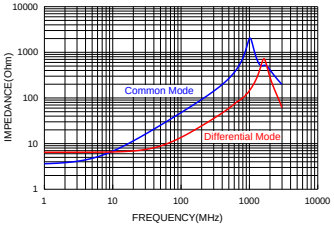
Part Number	Common Mode Impedance (Ω)	Test Frequency (MHz)	Rated Voltage (Vdc)	Insulation Resistance (MΩ) min.	DC Resistance (Ω) max.	Rated Current (mA) max.
MCF0806YSF2-120T01	12±25%	100	5	10	1.7	100
MCF0806YSF2-470T01	47±25%	100	5	10	3.8	100
MCF0806YGF2-900T01	90±25%	100	5	10	4.0	100

■ Impedance-Frequency Characteristics (Typical)

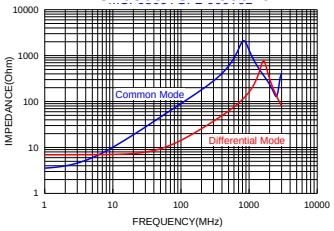
MCF0806YSF2-120T01



MCF0806YSF2-470T01



MCF0806YGF2-900T01

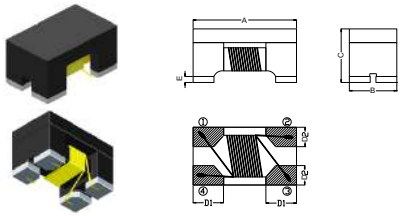


Wire Wound Common Mode Chokes

WCM 1210 Series

(0504 inch -40~+125℃)

■ Dimensions



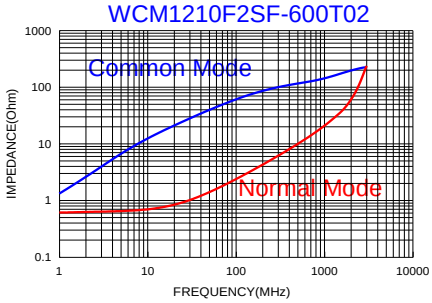
Dimensions	
A	1.20±0.20
B	1.00±0.20
C	0.90 max.
D1	0.35±0.10
D2	0.35±0.10
E	0.03 min.

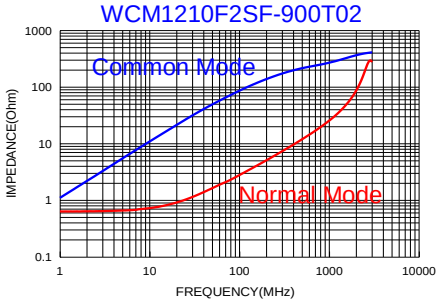
Units: mm

■ Specifications

Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc)max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
WCM1210F2SF-600T02	60±25%	100	0.30	250	50	125	10M
WCM1210F2SF-900T02	90±25%	100	0.30	250	50	125	10M
WCM1210F2SF-121T02	120±25%	100	0.35	250	50	125	10M
WCM1210F2SF-161T01	160±25%	100	0.43	160	50	125	10M
WCM1210F2SF-201T01	200±25%	100	0.80	120	50	125	10M

■ Impedance-Frequency Characteristics (Typical)

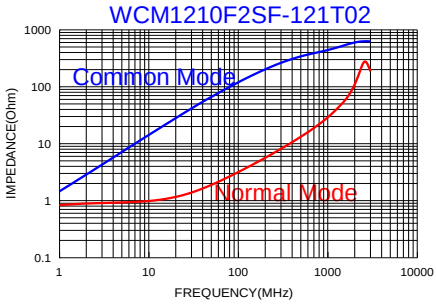


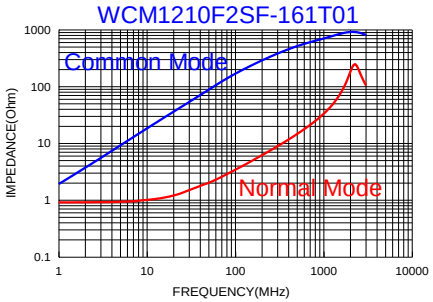


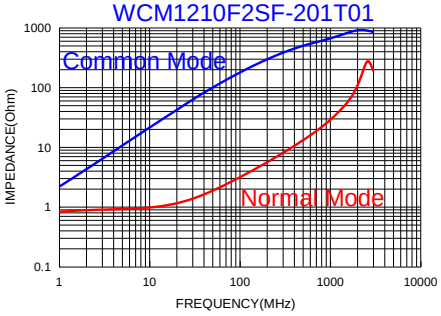
WCM 1210 Series

(0504 inch -40~+125℃)

■ Impedance-Frequency Characteristics (Typical)





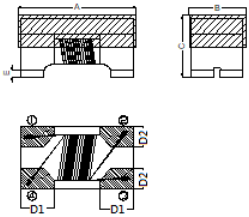


Wire Wound Common Mode Chokes

WCM 1608 Series

(0603 inch -40~+125℃)

■ Dimensions



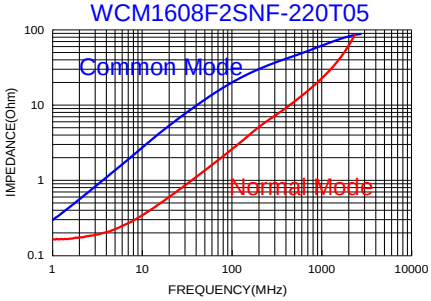
Dimensions	
A	1.60±0.15
B	0.85±0.15
C	1.10±0.15
D1	0.30Typ
D2	0.30Typ
E	0.03 min

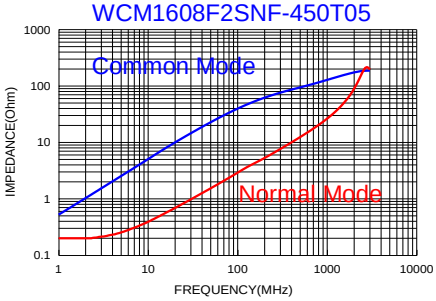
Units: mm

■ Specifications

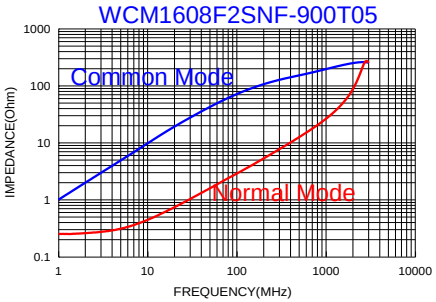
Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc)max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
WCM1608F2SNF-220T05	22±25%	100	0.080	500	50	125	10M
WCM1608F2SNF-450T05	45±25%	100	0.110	500	50	125	10M
WCM1608F2SNF-900T05	90±25%	100	0.145	550	50	125	10M
WCM1608F2SNF-121T05	120±25%	100	0.175	500	50	125	10M
WCM1608F2SNF-181T05	180±25%	100	0.210	500	50	125	10M
WCM1608F2SNF-251T04	250±25%	100	0.280	400	50	125	10M

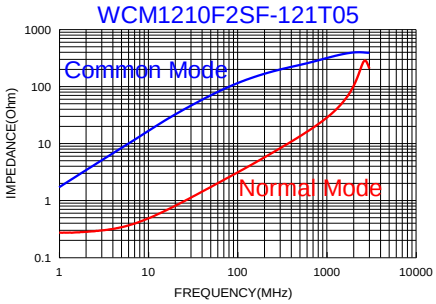
■ Impedance-Frequency Characteristics (Typical)

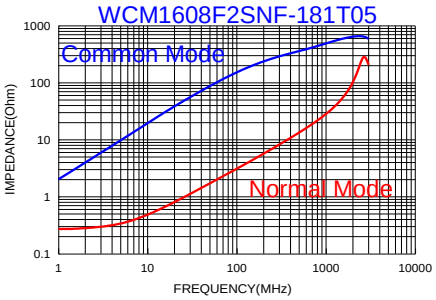


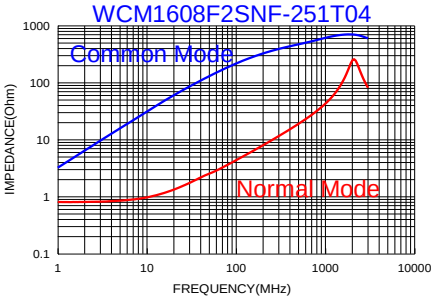


■ Impedance-Frequency Characteristics (Typical)







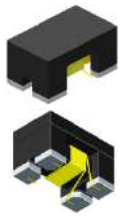


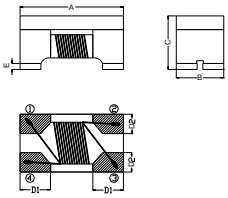
Wire Wound Common Mode Chokes

WCM 2012 Series

(0805 inch -40~+125℃)

■ Dimensions





Dimensions	
A	2.00±0.20
B	1.20±0.20
C	1.20±0.20
D1	0.50±0.10
D2	0.51±0.10
E	0.15±0.10

Units: mm

■ Specifications

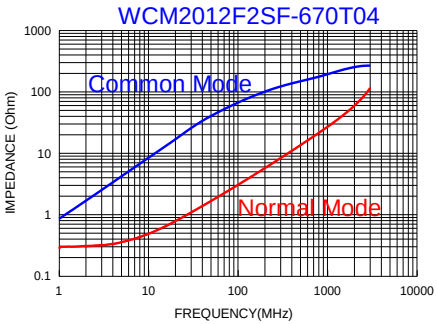
Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc)max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
WCM2012F2SF-670T04	67±25%	100	0.25	400	50	125	10M
WCM2012F2SF-900T04	90±25%	100	0.30	400	50	125	10M
WCM2012F2SF-121T04	120±25%	100	0.30	400	50	125	10M
WCM2012F2SF-161T03	160±25%	100	0.35	350	50	125	10M
WCM2012F2SF-181T03	180±25%	100	0.35	350	50	125	10M
WCM2012F2SF-201T03	200±25%	100	0.40	300	50	125	10M
WCM2012F2SF-221T03	220±25%	100	0.40	300	50	125	10M
WCM2012F2SF-261T03	260±25%	100	0.40	300	50	125	10M
WCM2012F2SF-361T03	360±25%	100	0.50	300	50	125	10M
WCM2012F2SF-601T03	600±25%	100	0.88	300	50	125	10M
WCM2012F2SF-102T01	1000±25%	100	1.30	100	50	125	10M

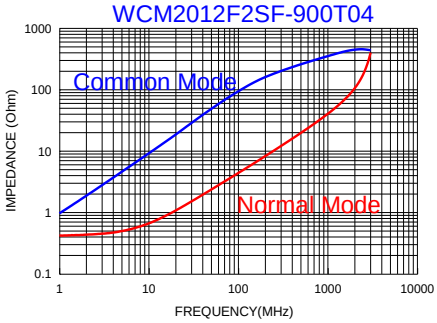
Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc)max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
WCM2012F2SF-801-N	800±25%	100	0.88	300	50	125	10M

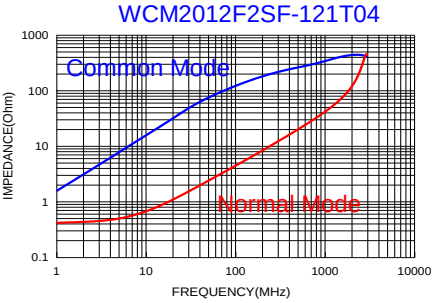
WCM 2012 Series

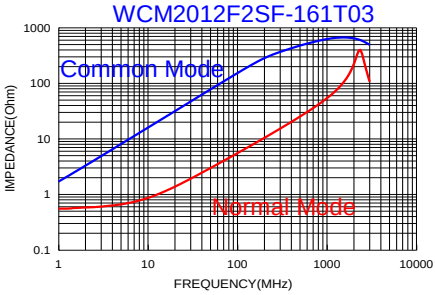
(0805 inch -40~+125℃)

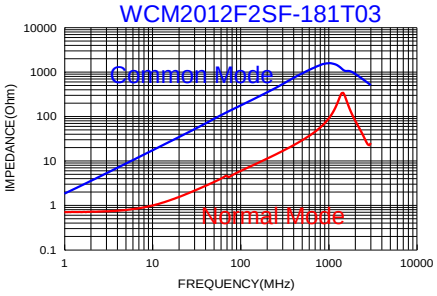
■ Impedance-Frequency Characteristics (Typical)

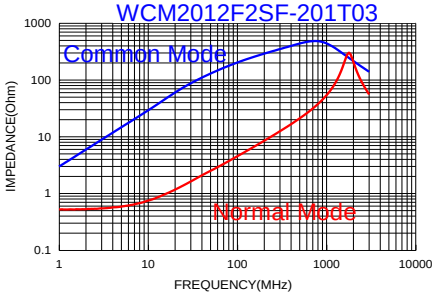










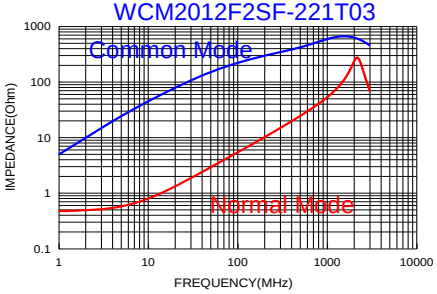


WCM 2012 Series

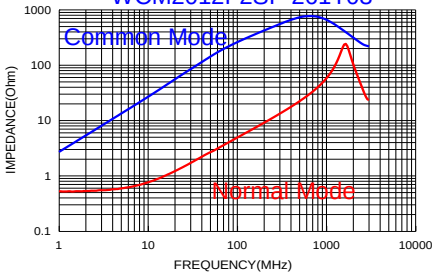
(0805 inch -40~+125℃)

■ Impedance-Frequency Characteristics (Typical)

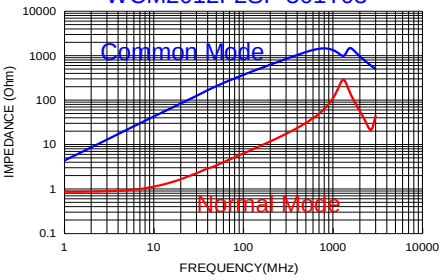
WCM2012F2SF-221T03



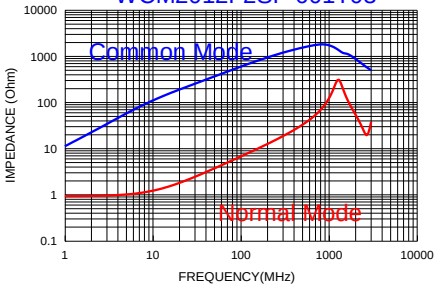
WCM2012F2SF-261T03



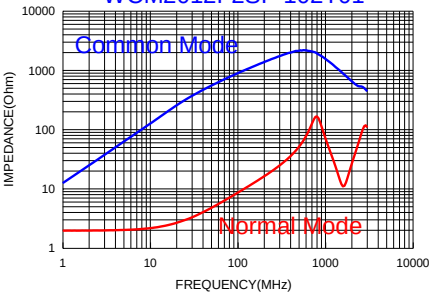
WCM2012F2SF-361T03



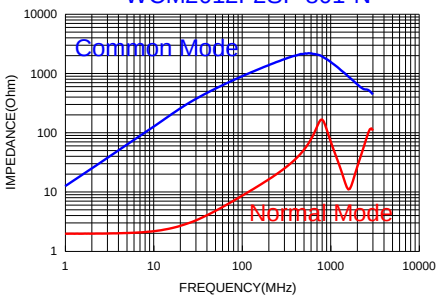
WCM2012F2SF-601T03



WCM2012F2SF-102T01



WCM2012F2SF-801-N

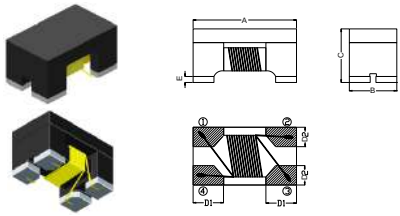


Wire Wound Common Mode Chokes

WCM 3216 Series

(1206 inch -40~+125℃)

■ Dimensions



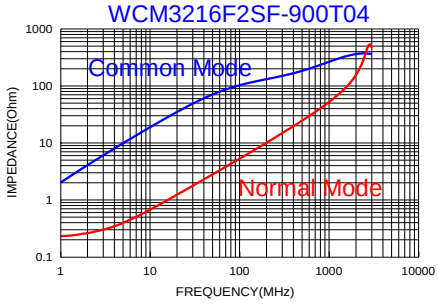
Dimensions	
A	3.20±0.20
B	1.60±0.20
C	2.00±0.20
D1	0.50±0.10
D2	0.50±0.10
E	0.15±0.10

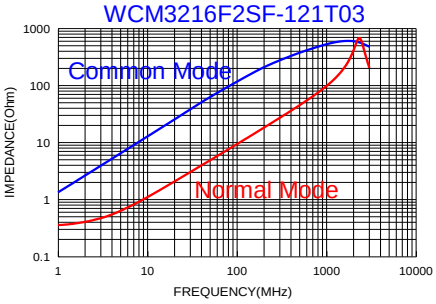
Units: mm

■ Specifications

Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc)max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
WCM3216F2SF-900T04	90±25%	100	0.30	400	50	125	10M
WCM3216F2SF-121T03	120±25%	100	0.30	350	50	125	10M
WCM3216F2SF-161T03	160±25%	100	0.40	350	50	125	10M
WCM3216F2SF-221T03	220±25%	100	0.45	300	50	125	10M
WCM3216F2SF-261T03	260±25%	100	0.50	300	50	125	10M
WCM3216F2SF-361T03	360±25%	100	0.60	300	50	125	10M
WCM3216F2SF-601T03	600±25%	100	0.80	300	50	125	10M
WCM3216F2SF-102T02	1000±25%	100	1.00	200	50	125	10M
WCM3216F2SF-222T02	2200±25%	100	1.20	200	50	125	10M

■ Impedance-Frequency Characteristics (Typical)

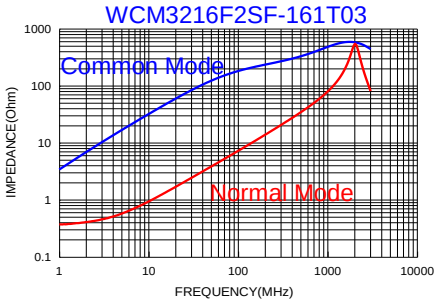


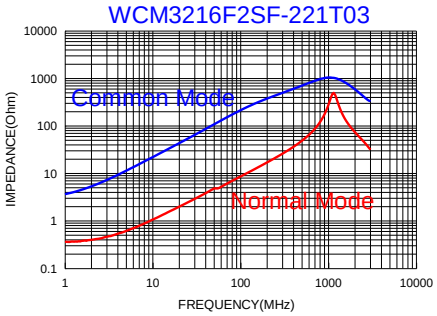


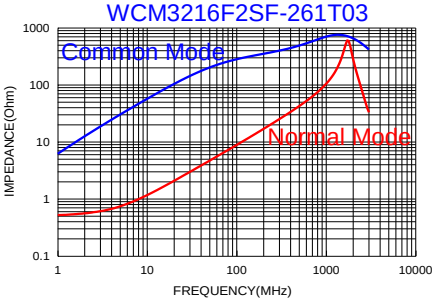
WCM 3216 Series

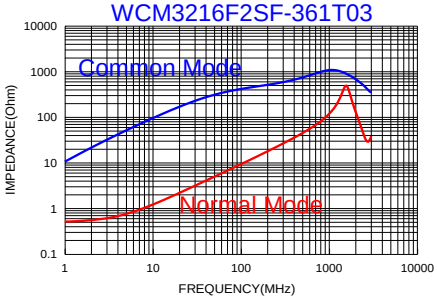
(1206 inch -40~+125℃)

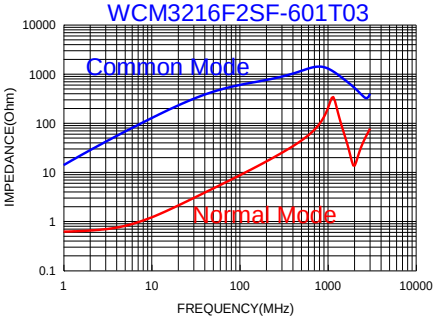
■ Impedance-Frequency Characteristics (Typical)

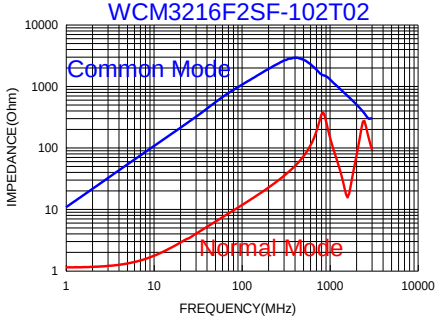




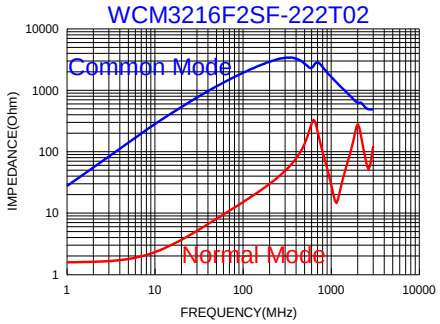








■ Impedance-Frequency Characteristics (Typical)

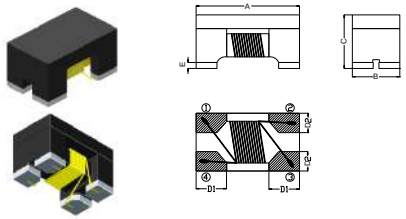


Wire Wound Common Mode Chokes

WCM 3225 Series

(1210 inch -40~+125℃)

■ Dimensions



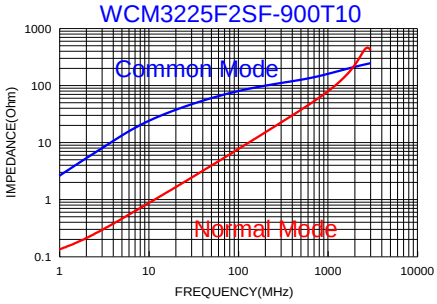
Dimensions	
A	3.20±0.20
B	2.50±0.20
C	2.20±0.20
D1	0.80±0.10
D2	0.90±0.10
E	0.15±0.10

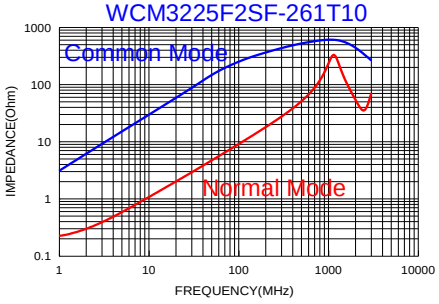
Units: mm

■ Specifications

Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc)max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
WCM3225F2SF-900T10	90±25%	100	0.05	1000	50	125	10M
WCM3225F2SF-261T10	260±25%	100	0.15	1000	50	125	10M
WCM3225F2SF-601T10	600±25%	100	0.20	1000	50	125	10M
WCM3225F2SF-102T04	1000±25%	100	0.30	400	50	125	10M

■ Impedance-Frequency Characteristics (Typical)

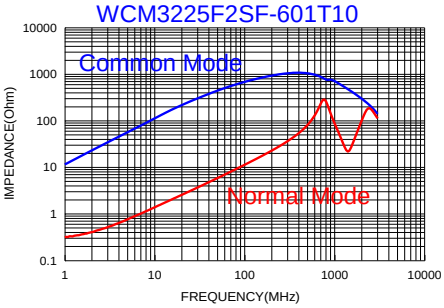


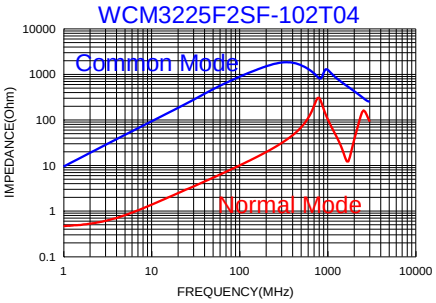


WCM 3225 Series

(1210 inch -40~+125℃)

■ Impedance-Frequency Characteristics (Typical)



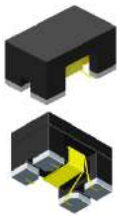


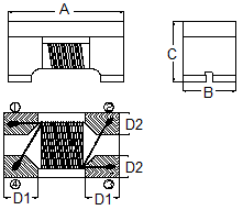
Wire Wound Common Mode Chokes

WCM 4532 Series-HI

(1812 inch -40~+125℃)

■ Dimensions





Dimensions	
A	4.50±0.20
B	3.20±0.20
C	2.80±0.20
D1	0.90±0.15
D2	1.05±0.15

Units: mm

■ Specifications

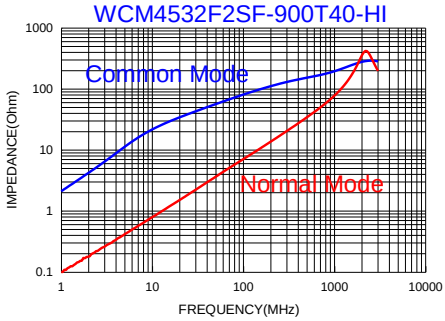
Part Number	Common mode Impedance (Ω)		Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc)max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
	min.	typ.						
WCM4532F2SF-900T40-HI	68	90	100	0.050	4000	50	125	10M
WCM4532F2SF-231T35-HI	173	230	100	0.050	3500	50	125	10M
WCM4532F2SF-421T32-HI	300	420	100	0.055	3200	50	125	10M
WCM4532F2SF-601T25-HI	450	600	100	0.060	2500	50	125	10M
WCM4532F2SF-901T23-HI	650	900	100	0.070	2300	50	125	10M
WCM4532F2SF-142T20-HI	1000	1400	100	0.100	2000	50	125	10M
WCM4532F2SF-282T09-HI	2100	2800	100	0.350	900	50	125	10M

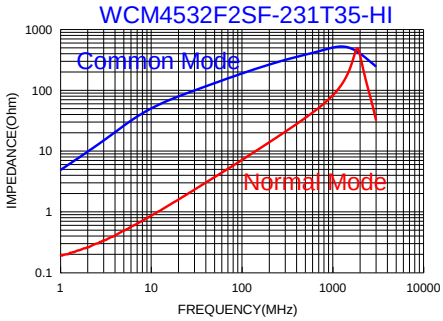
Note:
When current is applied , the temperature of the part should not exceed 125℃

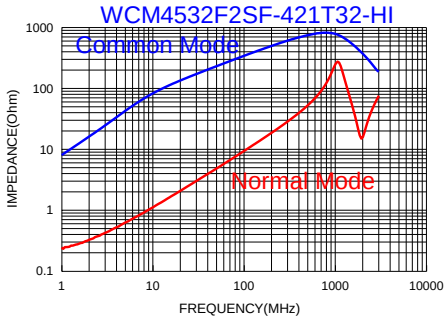
WCM 4532 Series-HI

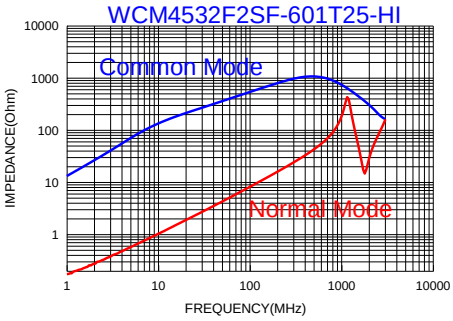
(1812 inch -40~+125℃)

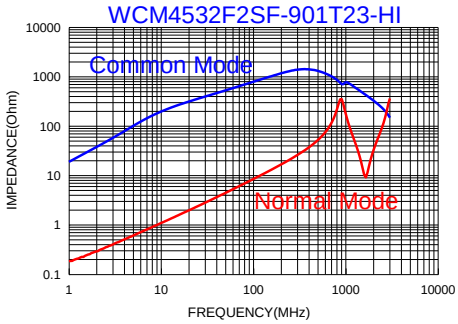
■ Impedance-Frequency Characteristics (Typical)

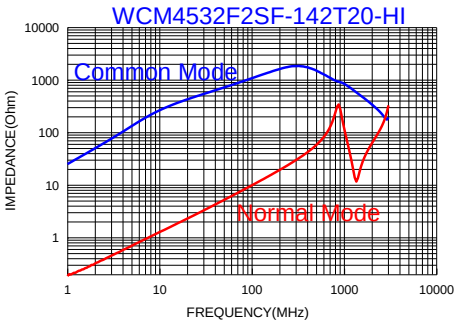








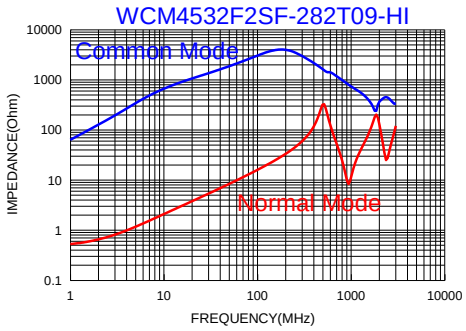




WCM 4532 Series-HI

(1812 inch -40~+125℃)

■ Impedance-Frequency Characteristics (Typical)

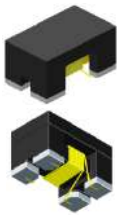


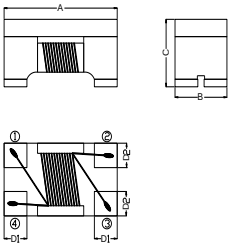
Wire Wound Common Mode Chokes

WCM 4532 Series

(1812 inch -40~+125℃)

■ Dimensions





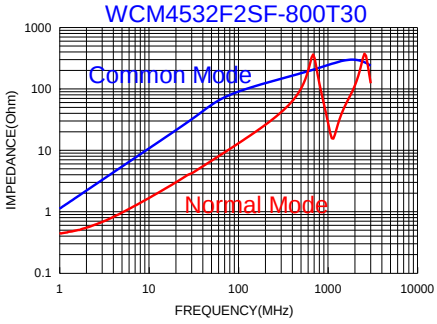
Dimensions	
A	4.50±0.20
B	3.20±0.20
C	2.80±0.20
D1	1.00±0.10
D2	1.20±0.10

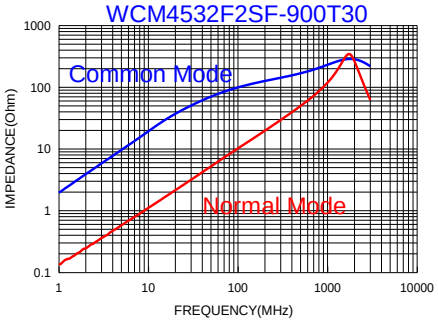
Units: mm

■ Specifications

Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc)max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
WCM4532F2SF-800T30	80±25%	100	0.05	3000	50	125	10M
WCM4532F2SF-900T30	90±25%	100	0.05	3000	50	125	10M
WCM4532F2SF-121T30	120±25%	100	0.05	3000	50	125	10M
WCM4532F2SF-201T15	200±25%	100	0.10	1500	50	125	10M
WCM4532F2SF-601T15	600±25%	100	0.24	1500	50	125	10M
WCM4532F2SF-801T10	800±25%	100	0.24	1000	50	125	10M

■ Impedance-Frequency Characteristics (Typical)

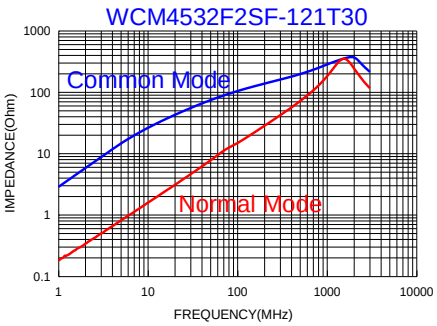


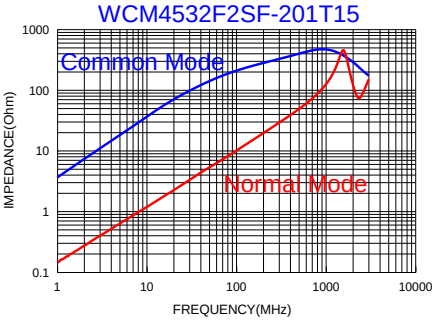


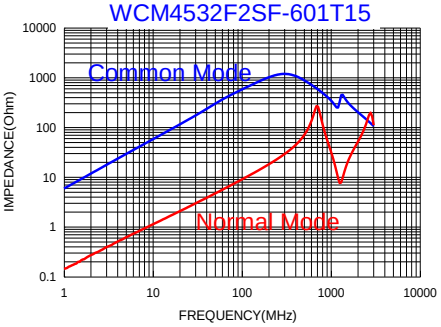
WCM 4532 Series

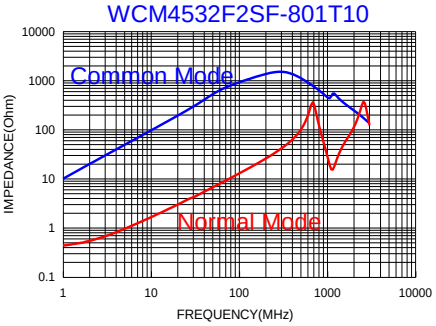
(1812 inch -40~+125℃)

■ Impedance-Frequency Characteristics (Typical)







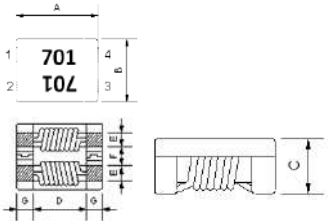


Wire Wound Common Mode Chokes

WCM 7060 Series

(2824 inch -40~+125℃)

■ Dimensions



Dimensions	
A	7.00±0.50
B	6.00±0.50
C	3.80 max.
D	3.50 typ.
E	1.50±0.50
F	1.50±0.50
G	1.70±0.50

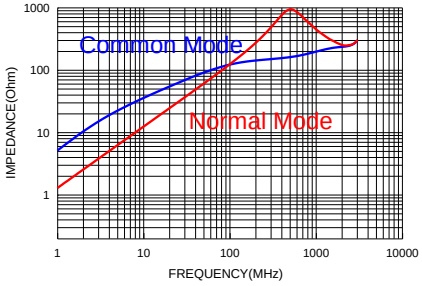
Units: mm

■ Specifications

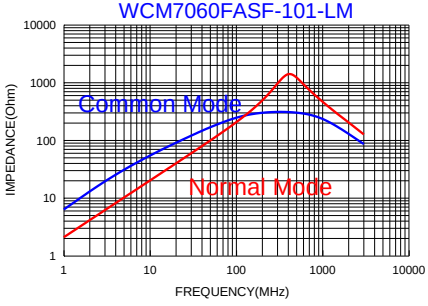
Part Number	Common mode Impedance (Ω)		Test Frequency (MHz)	DC Resistance (mΩ) max. (1 line)	Rated Current (A) max.	Rated Volt. (Vdc)max	IR (MΩ) min.
	min	typ.					
WCM7060FASF-400-LM	40	70	100	5	15	80	10
WCM7060FASF-101-LM	100	140	100	10	9	80	10
WCM7060FASF-301-LM	225	300	100	10	5	80	10
WCM7060FASF-501-LM	400	500	100	10	5	80	10
WCM7060FASF-701-LM	500	700	100	15	4	80	10
WCM7060FASF-102-LM	800	1020	100	17	3	80	10
WCM7060FASF-132-LM	910	1300	100	20	3	80	10

■ Impedance-Frequency Characteristics (Typical)

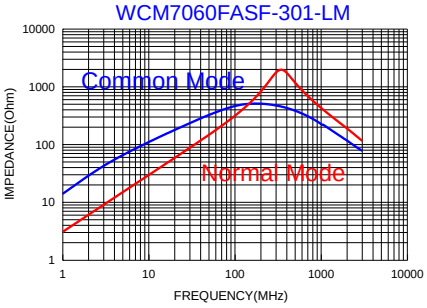
WCM7060FASF-400-LM

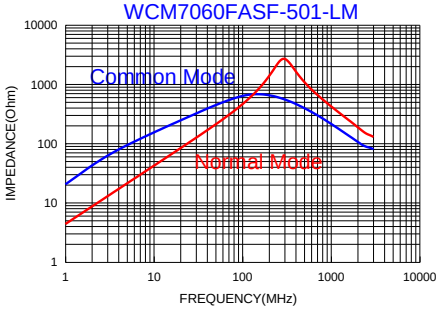


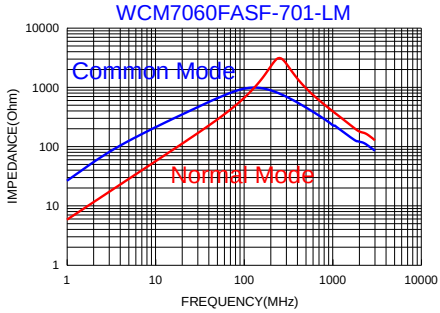
WCM7060FASF-101-LM

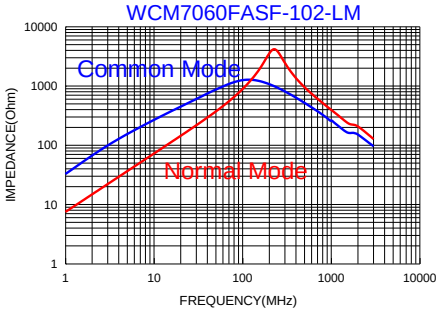


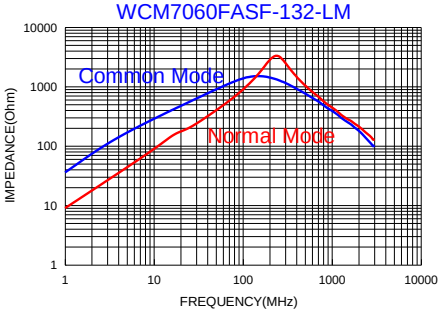
■ Impedance-Frequency Characteristics (Typical)









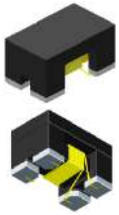


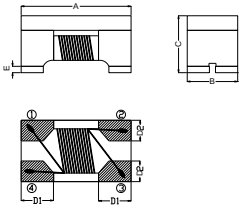
Wire Wound Common Mode Chokes

HDMI 2012 Series

(0805 inch -40~+125℃)

■ Dimensions





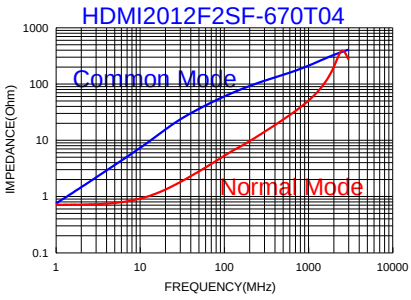
Dimensions	
A	2.00±0.20
B	1.20±0.20
C	1.20±0.20
D1	0.50±0.10
D2	0.51±0.10
E	0.15±0.10

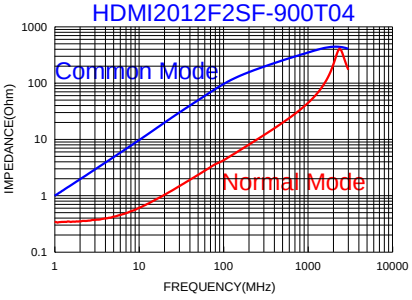
Units: mm

■ Specifications

Part Number	Common mode Impedance (Ω)		Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc)max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
HDMI2012F2SF-670T04	67 typ	50 min	100	0.30	400	50	125	10M
HDMI2012F2SF-900T04	90 typ	65 min	100	0.30	400	50	125	10M
HDMI2012F2SF-900T03-SL	90 ±25%		100	0.30	300	50	125	10M
HDMI2012F2SF-900T03-0R5	90±25%		100	0.50	300	50	125	10M

■ Impedance-Frequency Characteristics (Typical)

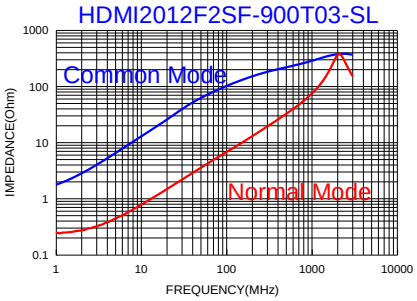


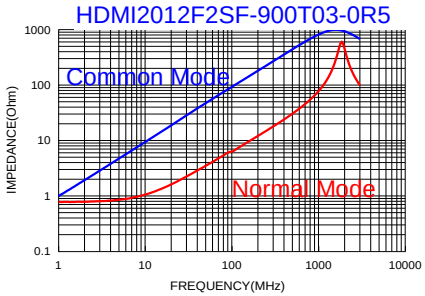


HDMI 2012 Series

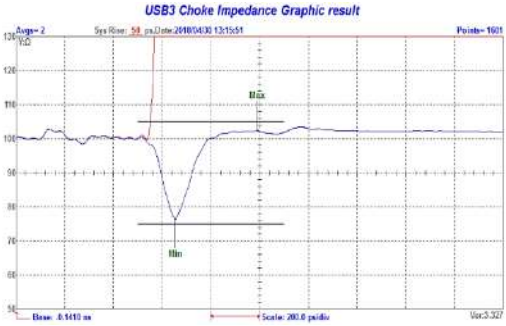
(0805 inch -40~+125℃)

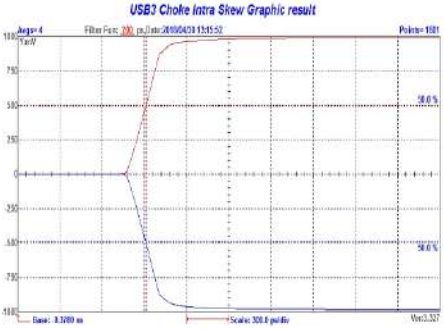
■ Impedance-Frequency Characteristics (Typical)



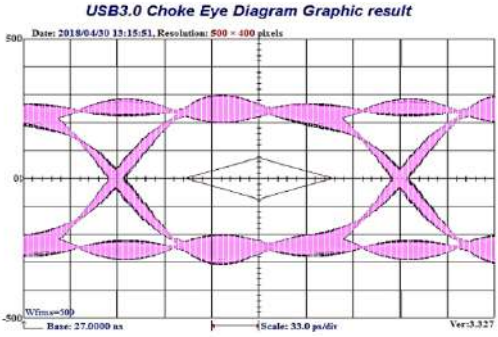


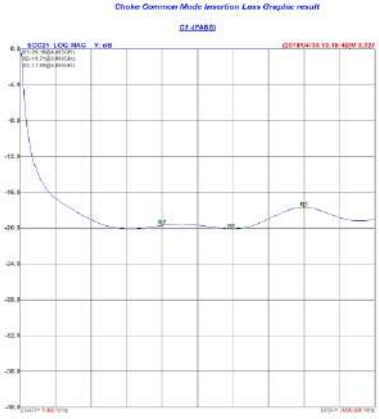
■ TDR Test and Intra Pair Skew Test -HDMI2012F2SF-900T04





■ Eye Digram Graphic Test and Insertion Loss Test -HDMI2012F2SF-900T04



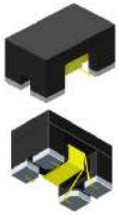


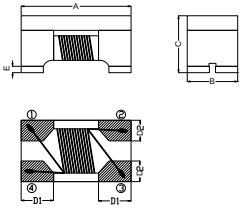
Wire Wound Common Mode Chokes

HSF 1210 Series

(0504 inch -40~+125℃)

■ Dimensions





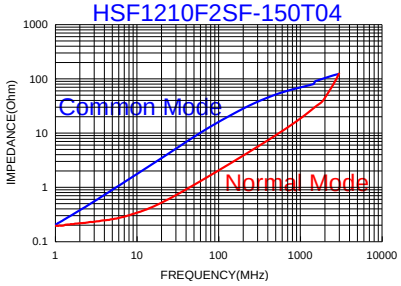
Dimensions	
A	1.20±0.20
B	1.00±0.20
C	0.90max
D1	0.35±0.10
D2	0.35±0.10
E	0.03min

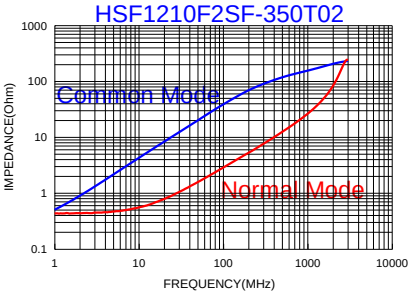
Units: mm

■ Specifications

Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc)max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
HSF1210F2SF-150T04	15±25%	100	0.25	400	50	125	10M
HSF1210F2SF-350T02	35±25%	100	0.30	200	50	125	10M
HSF1210F2SF-500T02	50±25%	100	0.30	250	50	125	10M
HSF1210F2SF-600T02	60±25%	100	0.30	250	50	125	10M
HSF1210F2SF-900T02	90±25%	100	0.40	200	50	125	10M

■ Impedance-Frequency Characteristics (Typical)

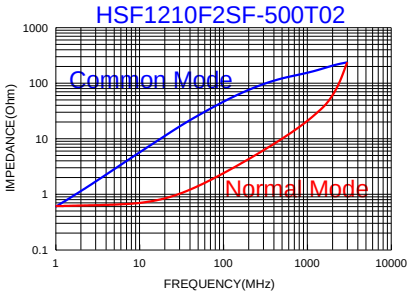


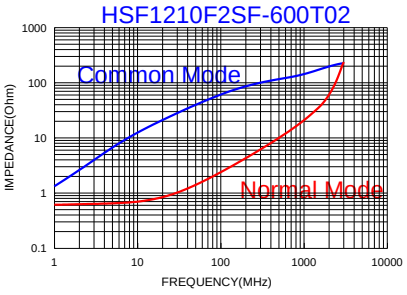


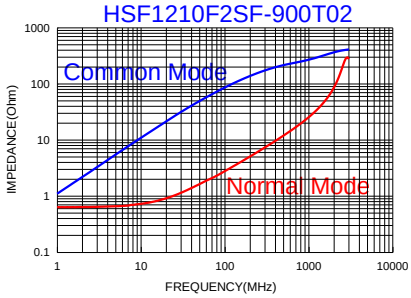
HSF 1210 Series

(0504 inch - 40~+125℃)

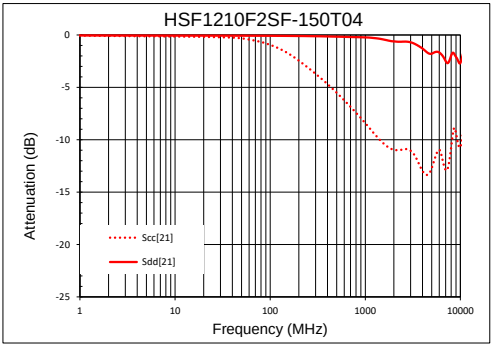
■ Impedance-Frequency Characteristics (Typical)

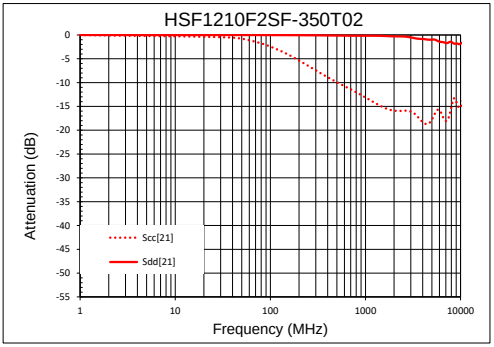


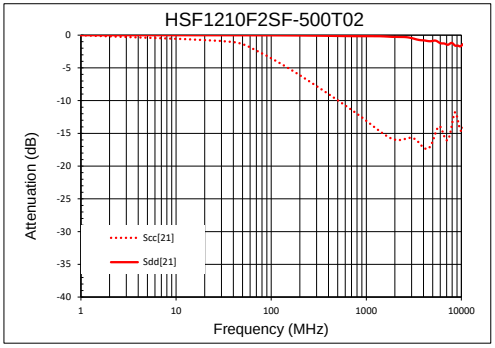


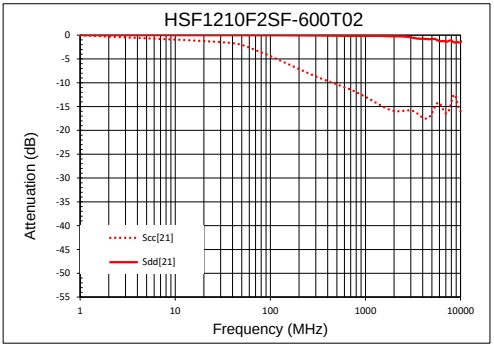


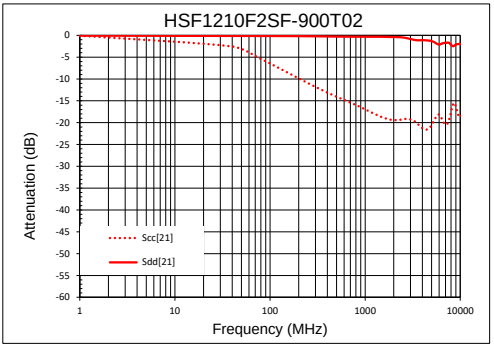
■ Insertion Loss Test (Typical)









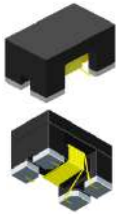


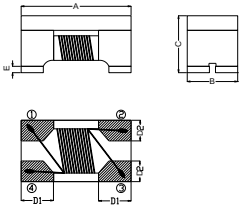
Wire Wound Common Mode Chokes

HSF 1210 Series-U4

(0504 inch -40~+125℃)

■ Dimensions





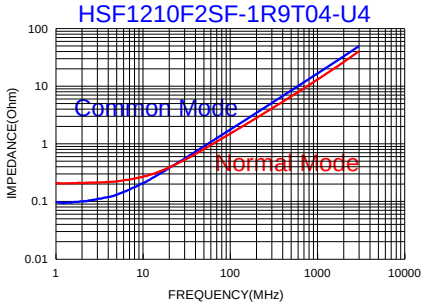
Dimensions	
A	1.20±0.20
B	1.00±0.20
C	0.90max
D1	0.35±0.10
D2	0.35±0.10
E	0.03min

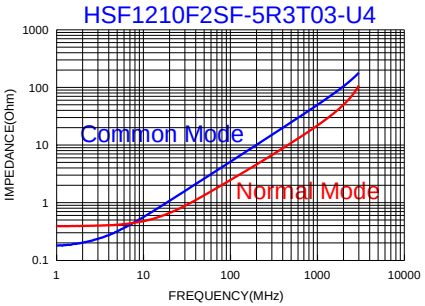
Units: mm

■ Specifications

Part Number	Common mode Impedance (Ω) Typ.	Test Frequency (MHz)	Cut-off Frequency (GHz)Typ.	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc)max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
HSF1210F2SF-1R9T04-U4	1.9	100	18	0.20	400	50	125	10M
HSF1210F2SF-5R3T03-U4	5.3	100	18	0.30	300	50	125	10M
HSF1210F2SF-300T04-U4	30.0	100	18	0.20	400	50	125	10M
HSF1210F2SF-900T03-U4	90.0	100	18	0.30	300	50	125	10M

■ Impedance-Frequency Characteristics (Typical)

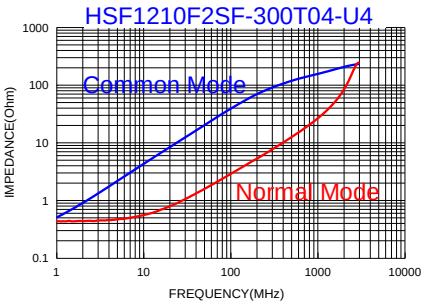


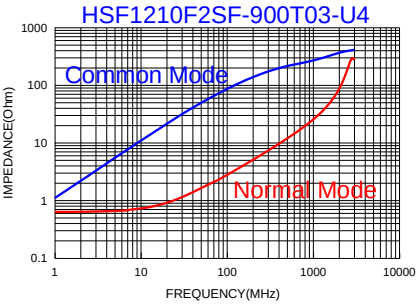


HSF 1210 Series-U4

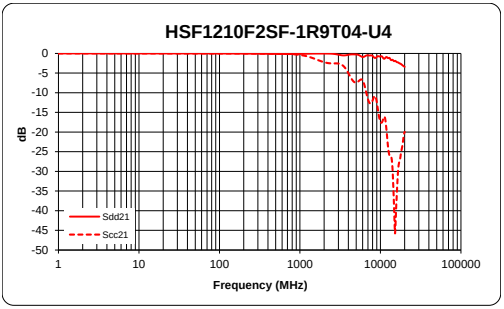
(0504 inch - 40~+125℃)

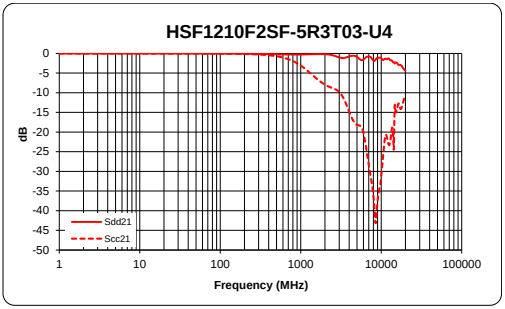
■ Impedance-Frequency Characteristics (Typical)

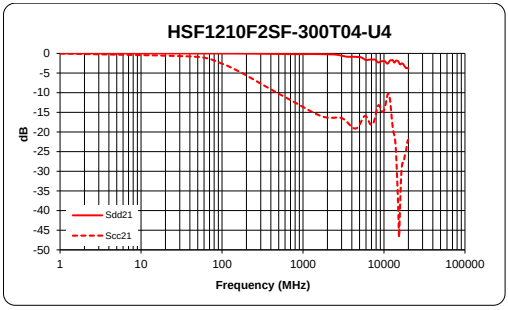


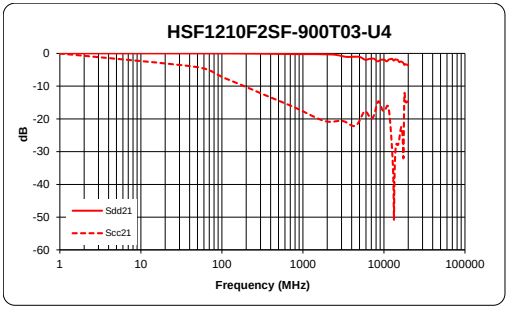


■ Insertion Loss Test (Typical)







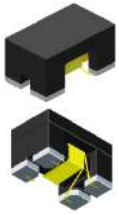


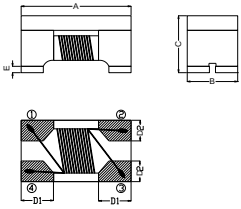
Wire Wound Common Mode Chokes

HSF 2012 Series-H

(0805 inch - 40~+125℃)

■ Dimensions





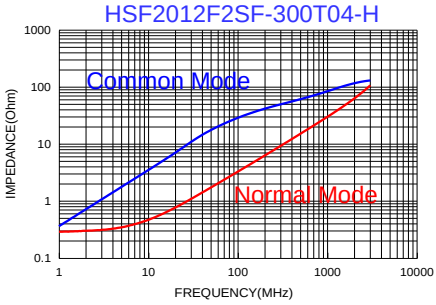
Dimensions	
A	2.00±0.20
B	1.20±0.20
C	1.20±0.20
D1	0.50±0.10
D2	0.51±0.10
E	0.15±0.10

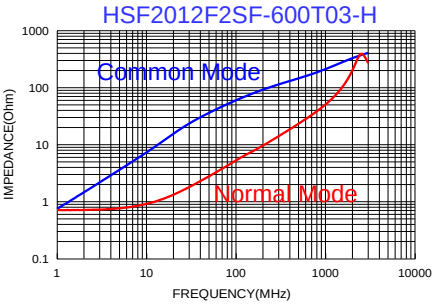
Units: mm

■ Specifications

Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc)max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
HSF2012F2SF-300T04-H	30±25%	100	0.20	400	50	125	10M
HSF2012F2SF-600T03-H	60±25%	100	0.30	300	50	125	10M
HSF2012F2SF-900T03-H	90±25%	100	0.30	300	50	125	10M
HSF2012F2SF-121T03-H	120±25%	100	0.35	330	50	125	10M

■ Impedance-Frequency Characteristics (Typical)



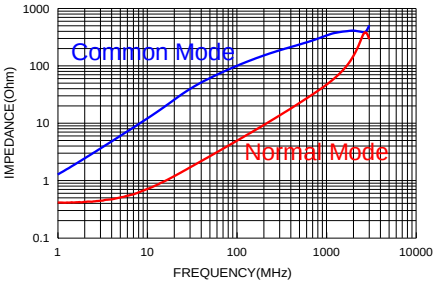


HSF 2012 Series-H

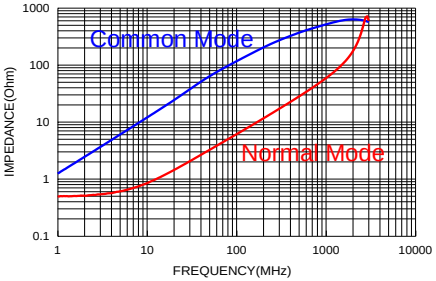
(0805 inch - 40~+125℃)

■ Impedance-Frequency Characteristics (Typical)

HSF2012F2SF-900T03-H



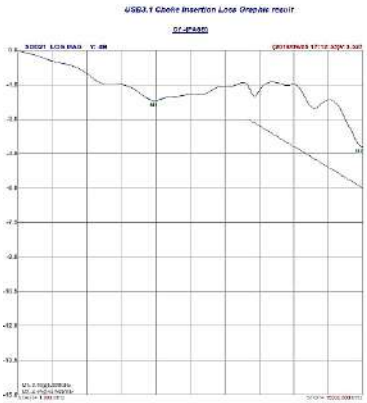
HSF2012F2SF-121T03-H



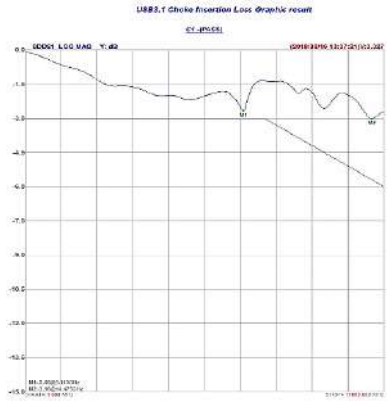
■ Insertion Loss Test (Typical)

HSF2012F2SF-300T04-H

HSF2012F2SF-600T03-H



HSF2012F2SF-900T03-H



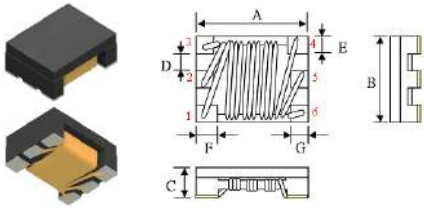
HSF2012F2SF-121T03-H

Tri-wires Common Mode Chokes

TCM 322512 Series

(1210 inch -40~+125℃)

■ Dimensions



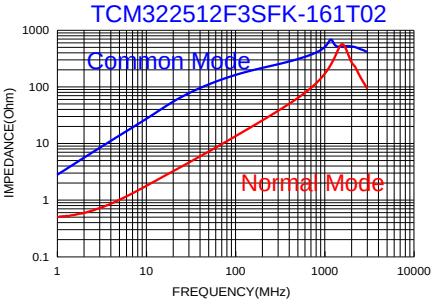
Dimensions	
A	3.20±0.20
B	2.50±0.20
C	1.30max
D	0.25±0.10
E	0.65±0.10
F	0.50±0.10
G	0.50±0.10

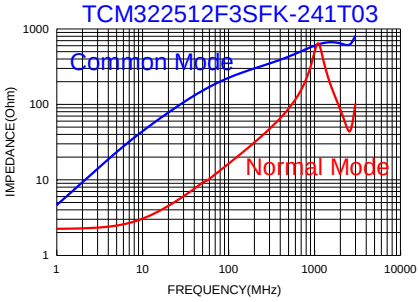
Units: mm

■ Specifications

Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc)max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
TCM322512F3SFK-161T02	160±25%	100	0.21	200	50	125	10M
TCM322512F3SFK-241T03	240±25%	100	0.33	300	50	125	10M
TCM322512F3SFK-501T05	500±25%	100	0.43	500	50	125	10M

■ Impedance-Frequency Characteristics (Typical)

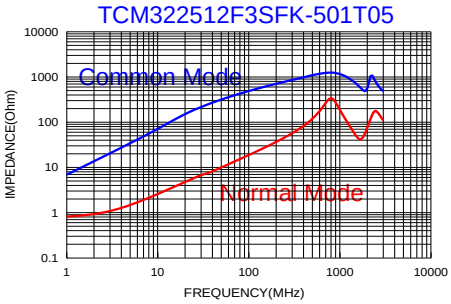




TCM 322512 Series

(1210 inch -40~+125℃)

■ Impedance-Frequency Characteristics (Typical)

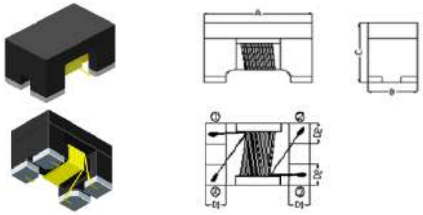


Wire Wound Common Mode Chokes

ACM 3225F2S Series

(1210 inch -40~+85℃)

■ Dimensions



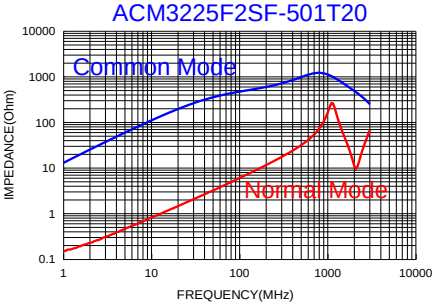
Dimensions	
A	3.20±0.20
B	2.50±0.20
C	2.20±0.20
D1	0.65±0.10
D2	1.00±0.10

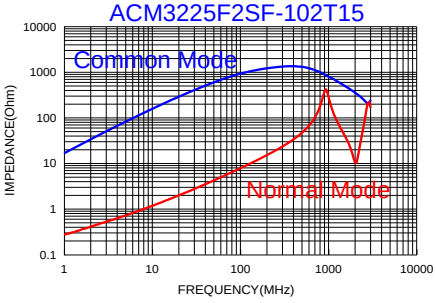
Units: mm

■ Specifications

Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc)max.	IR (Ω) min.
ACM3225F2SF-501T20	500±25%	100	0.10	2000	60	10M
ACM3225F2SF-102T15	1000±25%	100	0.10	1500	60	10M

■ Impedance-Frequency Characteristics (Typical)



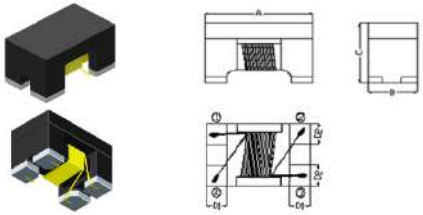


Wire Wound Common Mode Chokes

ACM 3225 Series-D

(1210 inch -40~+150℃)

■ Dimensions



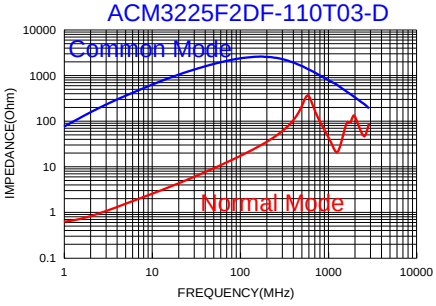
Dimensions	
A	3.30±0.20
B	2.50±0.20
C	2.50 max
D1	0.55±0.15
D2	0.75±0.20

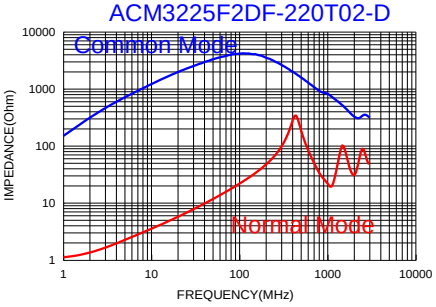
Units: mm

■ Specifications

Part Number	Common mode Impedance (Ω) [10MHz]		Inductance(μH) +50/-30% [100KHz/0.1V]	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc) max.	IR (Ω) min.
ACM3225F2DF-110T03-D	300 min	550 typ.	11	0.4	300	80	10M
ACM3225F2DF-220T02-D	500 min	1100 typ.	22	0.5	250	80	10M
ACM3225F2DF-510T02-D	1000 min	2600 typ.	51	0.7	200	80	10M
ACM3225F2DF-101T01-D	2200 min	5100 typ.	100	1.5	150	80	10M

■ Impedance-Frequency Characteristics (Typical)

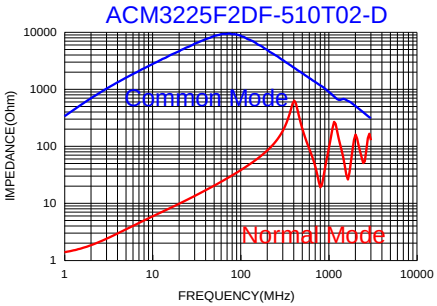


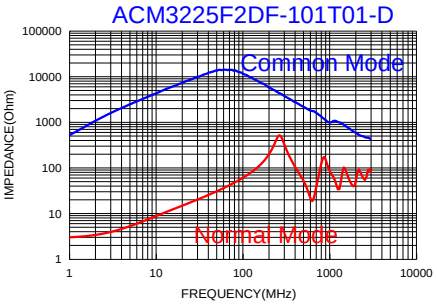


ACM 3225 Series-D

(1210 inch -40~+150℃)

■ Impedance-Frequency Characteristics (Typical)



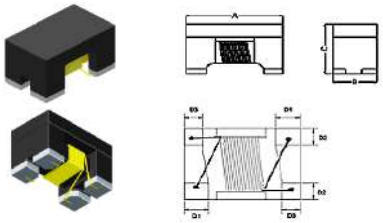


Wire Wound Common Mode Chokes

ACM 4532 Series-D

(1812 inch -40~+150℃)

■ Dimensions



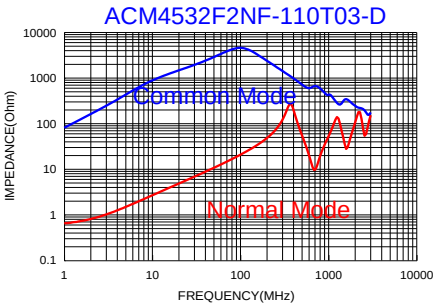
Dimensions	
A	4.50±0.20
B	3.20±0.20
C	2.80±0.20
D1	0.75±0.20
D2	0.85±0.20
D3	0.60±0.20

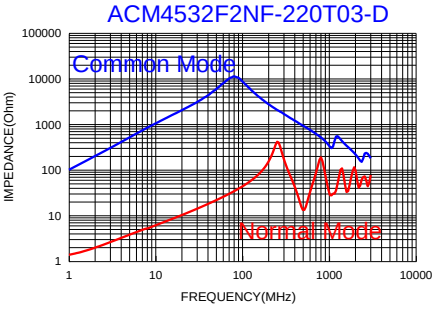
Units: mm

■ Specifications

Part Number	Common mode Impedance (Ω) [10MHz]		Common mode Inductance (μH) +50/-30% [100KHz/0.1V]	DC Resistance (Ω) max.	Rated Current (mA) max.	Withstand Volt. (Vdc) Max.	Rated Volt. (Vdc) max.	IR (Ω) min.
ACM4532F2NF-110T03-D	300 min	600 typ.	11	0.6	360	125	50	10M
ACM4532F2NF-220T03-D	500 min	1200 typ.	22	1.0	310	125	50	10M
ACM4532F2NF-510T02-D	1000 min	2800 typ.	51	1.0	230	125	50	10M
ACM4532F2NF-101T02-D	2000 min	5800 typ.	100	2.0	200	125	50	10M

■ Impedance-Frequency Characteristics (Typical)

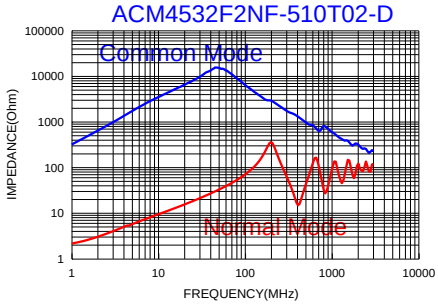


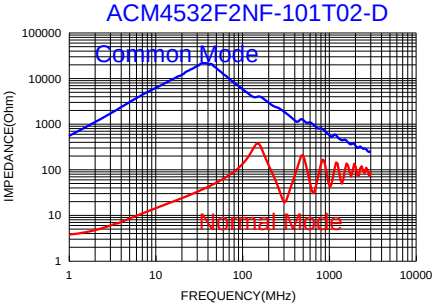


ACM 4532 Series-D

(1812 inch -40~+150℃)

■ Impedance-Frequency Characteristics (Typical)

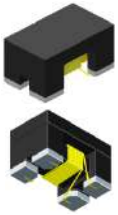


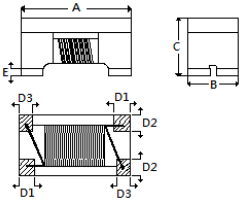


Wire Wound Common Mode Chokes

DCM 321620F2S Series (1206 inch -40~+105℃)

■ Dimensions





Dimensions	
A	3.40±0.20
B	1.60±0.20
C	2.20±0.20
D1	0.64±0.10
D2	0.58±0.10
D3	0.54±0.10
E	0.12typ

Units: mm

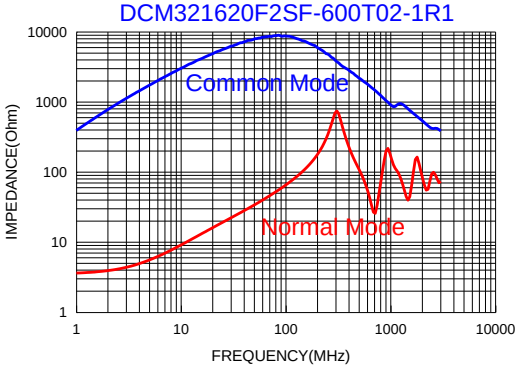
■ Specifications

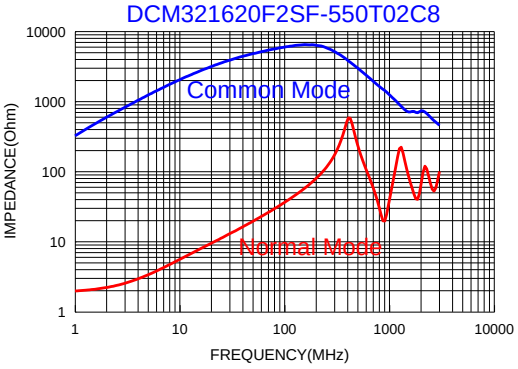
Part Number	Inductance(uH) [100KHz/0.1V] min.	Capacitance (pF)Max	Insertion loss 1-100MHz (dB)	Return loss 1-100MHz (dB)	
	60	14	-0.7 typ.	-20 typ.	
DCM321620F2SF-600T02-1R1	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc) max.	Withstand Volt. (Vdc)max.	IR(Ω) min.
	1.1	200	50	125	10M

Part Number	Inductance(uH) [100KHz/0.1V] min.	Capacitance (pF)Max	Insertion loss 1-125MHz (dB)	Return loss 1-125MHz (dB)	
	55	8	-1.0 typ. -1.2 min	-15 typ. -20 max.	
DCM321620F2SF-550T02C8	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc) max.	Withstand Volt. (Vdc)max.	IR(Ω) min.
	1.7	200	50	125	10M

DCM 321620F2S Series (1206 inch -40~+105℃)

■ Impedance-Frequency Characteristics (Typical)

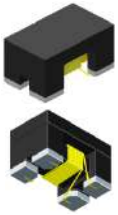


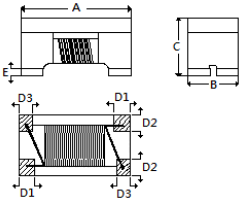


Wire Wound Common Mode Chokes

DCM 321620F2U Series (1206 inch -40~+105℃)

■ Dimensions





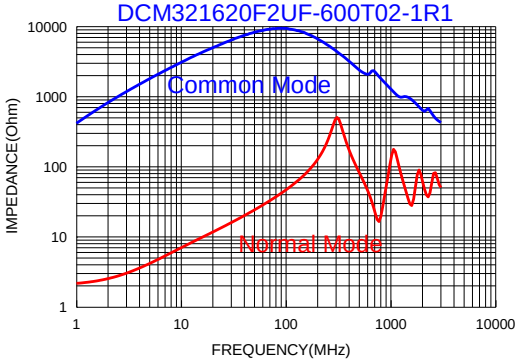
Dimensions	
A	3.40±0.20
B	1.60±0.20
C	2.40 Max.
D1	0.64±0.10
D2	0.58±0.10
D3	0.54±0.10
E	0.12typ

Units: mm

■ Specifications

Part Number	Inductance(uH) [100KHz/0.1V] Min.	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc) max.	Withstand Volt. (Vdc) max.	IR(Ω) min.
DCM321620F2UF-600T02-1R1	60	1.1	200	50	125	10M

■ Impedance-Frequency Characteristics (Typical)

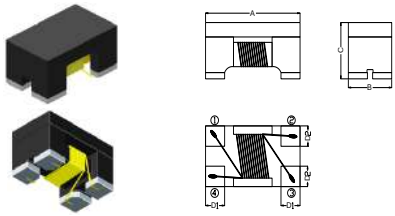


Wire Wound Common Mode Chokes

DCM 3532F2S Series

(1210 inch -40~ +125℃)

■ Dimensions



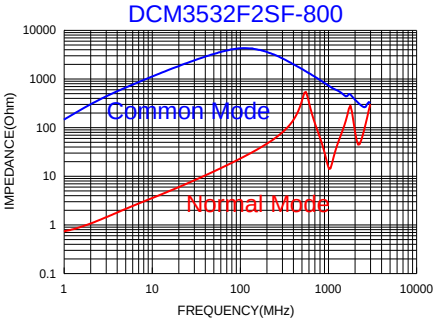
Dimensions	
A	3.50±0.20
B	3.20±0.20
C	2.20±0.20
D1	0.63±0.05
D2	1.18±0.05

Units: mm

■ Specifications

Part Number	Inductance(uH) [100KHz/0.1V]	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc) max.	IR(Ω) min.	Capacitance (pf)max
DCM3532F2SF-800	75~160	1.3	200	50	10M	19

■ Impedance-Frequency Characteristics (Typical)

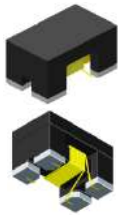


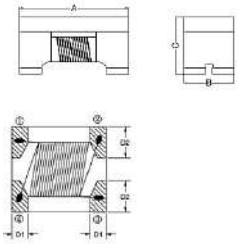
Wire Wound Common Mode Chokes

DCM 3532F2U Series

(1210 inch -40~ +125℃)

■ Dimensions





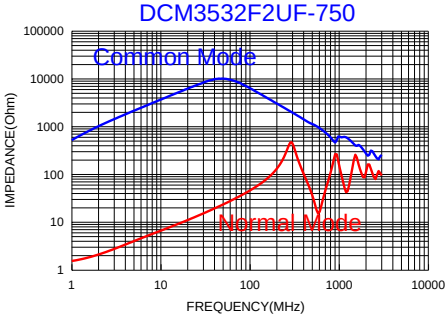
Dimensions	
A	3.50±0.20
B	3.20±0.20
C	2.30±0.20
D1	0.63±0.05
D2	1.18±0.05

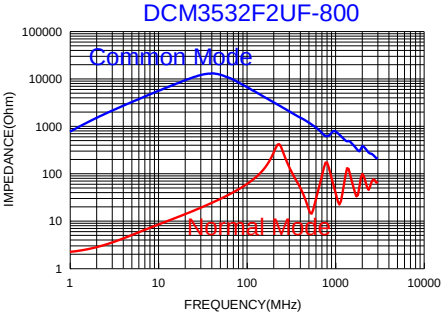
Units: mm

■ Specifications

Part Number	Inductance(uH) [100KHz/0.1V]	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc) max.	Withstand Volt. (Vdc) max.	IR(Ω) min.
DCM3532F2UF-750	75 min	0.8	300	50	125	10M
DCM3532F2UF-800	75~160	1.3	200	50	125	10M

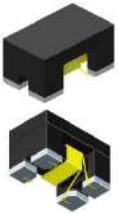
■ Impedance-Frequency Characteristics (Typical)

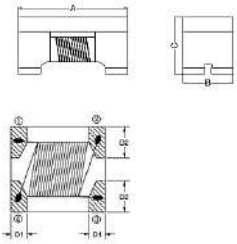




DCM 4532F2U Series (1412 inch -40~ +125℃)

■ Dimensions





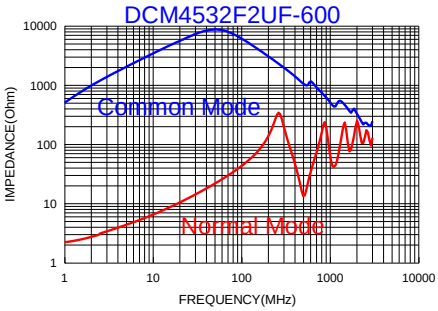
Dimensions	
A	4.50±0.20
B	3.20±0.20
C	3.00±0.20
D1	1.00±0.10
D2	1.20±0.10

Units: mm

■ Specifications

Part Number	Inductance(uH) [100KHz/0.1V]	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc) max.	IR(Ω) min.
DCM4532F2UF-600	60 min	0.50	20	50	1M

■ Impedance-Frequency Characteristics (Typical)

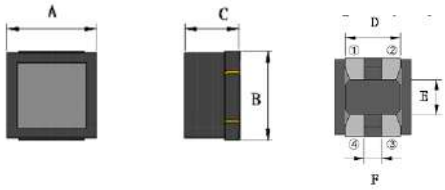


Wire Wound Common Mode Chokes

WCM 5025 Series

(2020 inch -40~+125℃)

■ Dimensions



Dimensions	
A	4.80±0.30
B	5.00±0.30
C	2.50 max
D	3.50 typ.
E	2.20 typ.
F	1.10 typ.

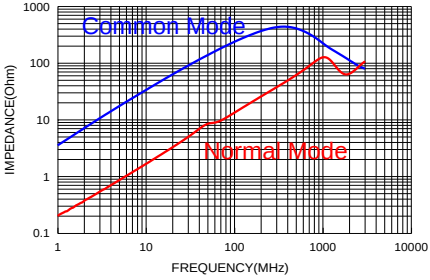
Units: mm

■ Specifications

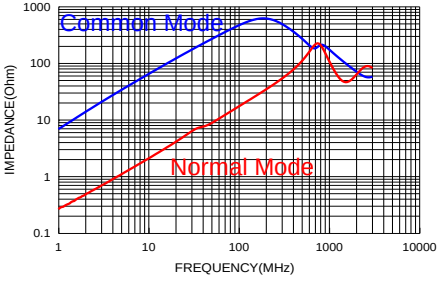
Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω)±40%	Rated Current (mA) max.	Rated Volt. (Vdc)max.	IR (Ω) min.
WCM5025F2SF-251T50	250(typ.)	100	0.014	5000	50	10M
WCM5025F2SF-501T40	500(typ.)	100	0.019	4000	50	10M
WCM5025F2SF-102T20	1000(typ.)	100	0.024	2000	50	10M
WCM5025F2SF-152T15	1500(typ.)	100	0.040	1500	50	10M

■ Impedance-Frequency Characteristics (Typical)

WCM5025F2SF-251T50



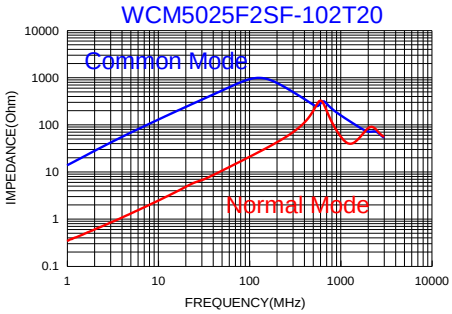
WCM5025F2SF-501T40

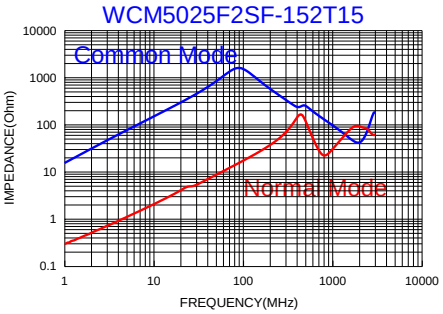


WCM 5025 Series

(2020 inch -40~+125℃)

■ Impedance-Frequency Characteristics (Typical)



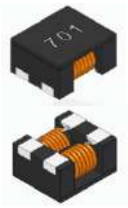


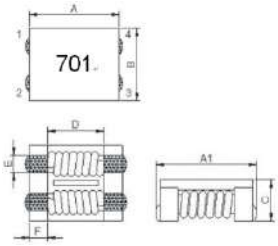
Wire Wound Common Mode Chokes

WCM 7060 Series

(2824 inch -40~+125℃)

■ Dimensions





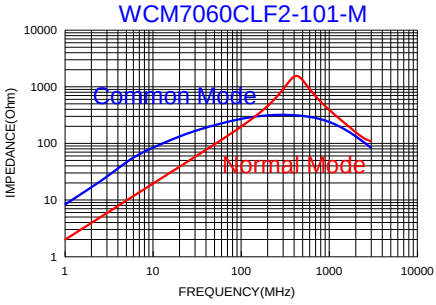
Dimensions	
A	7.00±0.50
A1	7.50±0.50
B	6.00±0.50
C	3.80 max
D	3.50 typ.
E	1.50 typ.
F	1.70 typ.

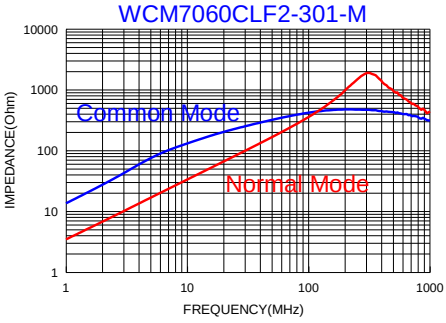
Units: mm

■ Specifications

Part Number	Common mode Impedance (Ω)		Test Frequency (MHz)	DC Resistance (mΩ) max (1 line).	Rated Current (mA) max.	Rated Volt. (Vdc)max.	IR (Ω) min.
	min	typ.					
WCM7060CLF2-101-M	100	140	100	10	9.0	125	10
WCM7060CLF2-301-M	225	300	100	10	5.0	125	10
WCM7060CLF2-501-M	275	450	100	10	5.0	125	10
WCM7060CLF2-601-M	500	700	100	15	4.0	125	10
WCM7060CLF2-701-M	500	700	100	15	4.0	125	10
WCM7060CLF2-102-M	800	1020	100	17	3.0	125	10
WCM7060CLF2-132-M	910	1300	100	21	2.5	125	10
WCM7060CLF2-272-M	2000	2700	100	63	1.0	125	10
WCM7060CLF2-302-M	2500	3000	100	75	0.9	125	10

■ Impedance-Frequency Characteristics (Typical)

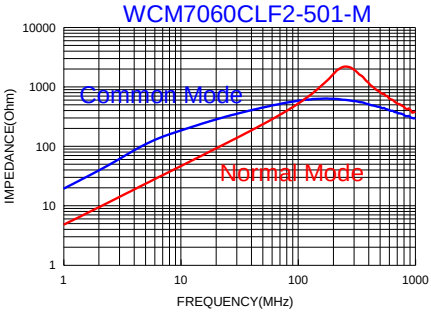


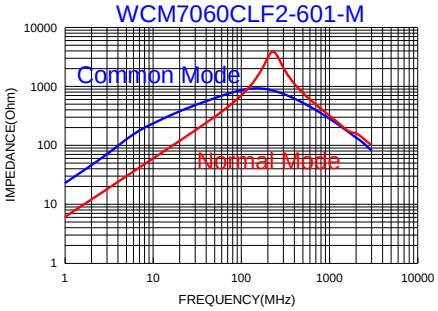


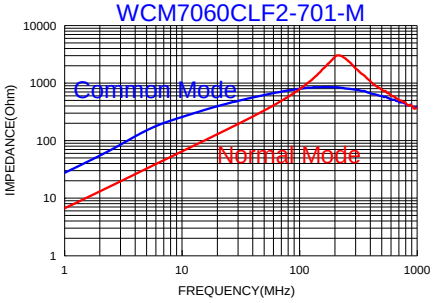
WCM 7060 Series

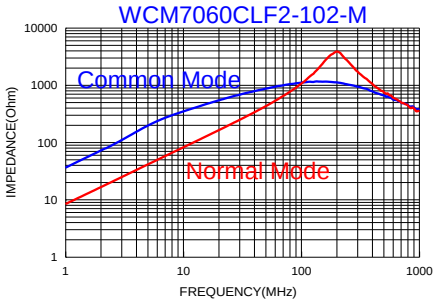
(2824 inch -40~+125℃)

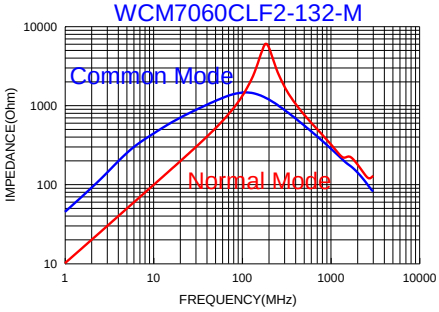
■ Impedance-Frequency Characteristics (Typical)

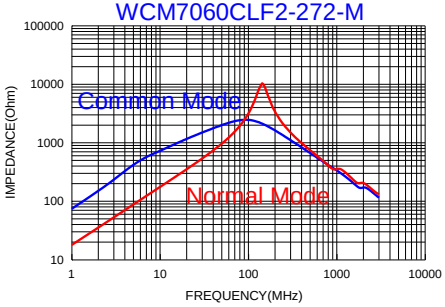




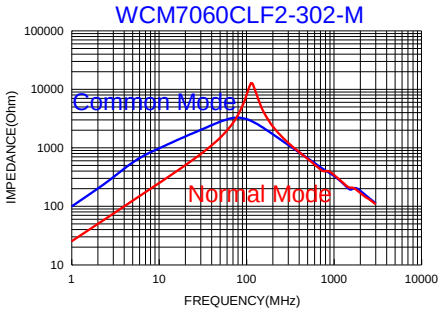








■ Impedance-Frequency Characteristics (Typical)

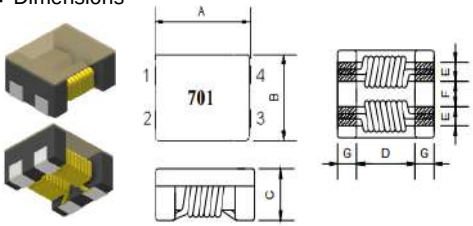


Wire Wound Common Mode Chokes

WCM 9070 Series

(3528 inch -40~+125℃)

■ Dimensions



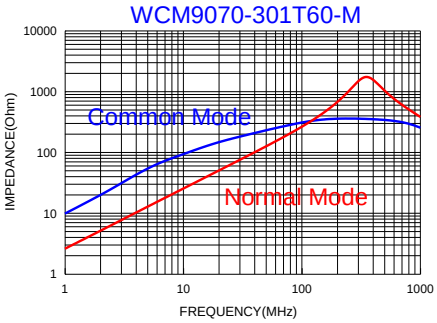
Dimensions	
A	9.00±0.50
B	7.00±0.50
C	4.80 max
D	5.70 typ.
E	1.50±0.50
F	2.00±0.50
G	1.70±0.20

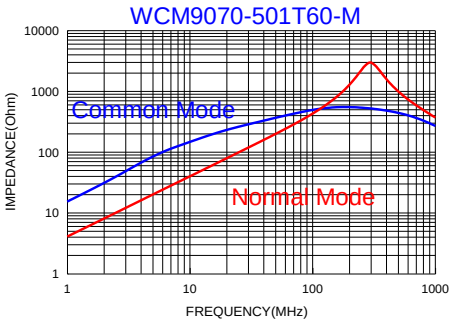
Units: mm

■ Specifications

Part Number	Common mode Impedance (Ω)		Test Frequency (MHz)	DC Resistance (mΩ) max. (1 line)	Rated Current (mA) max.	Rated Volt. (Vdc) max.	Insulation Resistance (MΩ) min.
	min	typ.					
WCM9070-301T60-M	225	300	100	6	6.0	80	10
WCM9070-501T60-M	450	600	100	8	6.0	80	10
WCM9070-701T50-M	500	700	100	10	5.0	80	10
WCM9070-102T40-M	750	1000	100	13	4.0	80	10
WCM9070-222T25-M	1700	2200	100	60	2.5	80	10
WCM9070-272T20-M	2000	2700	100	65	2.0	80	10
WCM9070-302T30-M	2500	3000	100	70	3.0	80	10

■ Impedance-Frequency Characteristics (Typical)

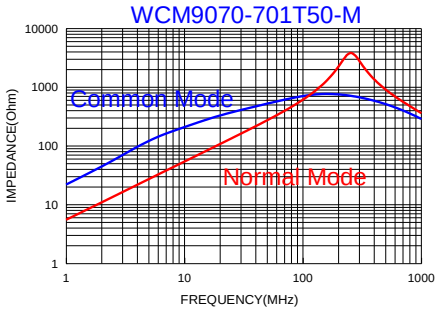


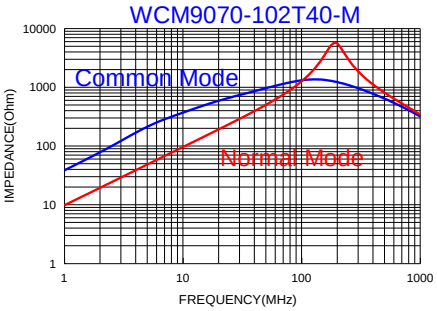


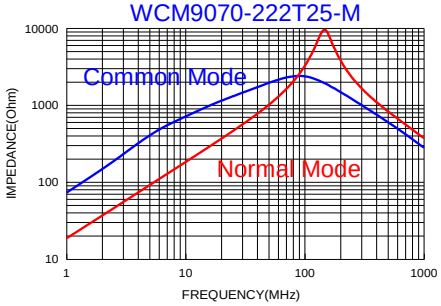
WCM 9070 Series

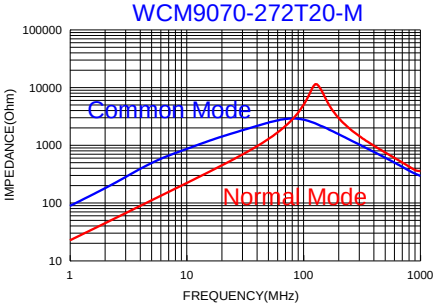
(3528 inch -40~+125℃)

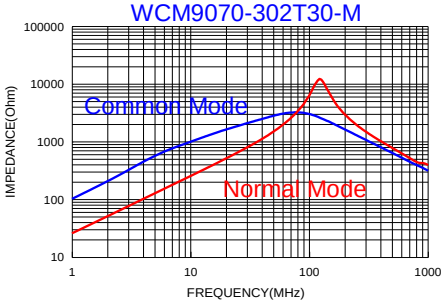
■ Impedance-Frequency Characteristics (Typical)









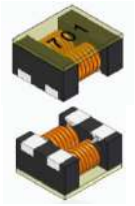


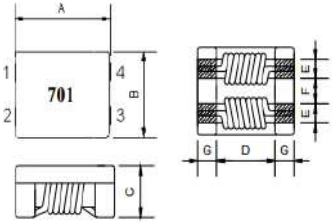
Wire Wound Common Mode Chokes

WCM 1211 Series

(5040 inch -40~+125℃)

■ Dimensions





Dimensions	
A	12.00±0.50
B	10.80±0.50
C	6.40max
D	7.00 typ
E	2.70±0.20
F	2.50±0.20
G	2.50±0.20

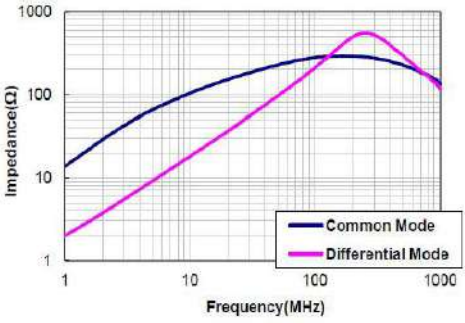
Units: mm

■ Specifications

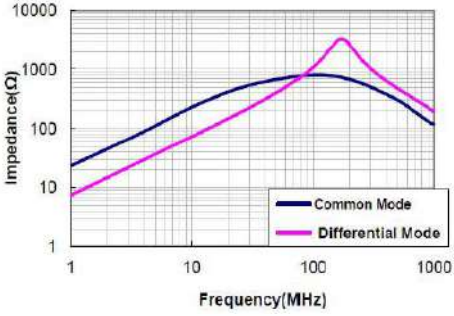
Part Number	Common mode Impedance (Ω)		Test Frequency (MHz)	DC Resistance (mΩ) max. (1 line).	Rated Current (mA) max.	Rated Volt. (Vdc)max.	Insulation Resistance (MΩ) min.
	min	typ.					
WCM1211F-800T10-M	80	230	100	2	10.0	125	10
WCM1211F-701T80-M	500	700	100	6	8.0	125	10
WCM1211F-801T80-M	600	800	100	8	8.0	125	10
WCM1211F-102T60-M	750	1000	100	14	6.0	125	10
WCM1211F-222T02-M	2200	2500	100	35	1.8	125	10
WCM1211F-272T02-M	2300	2700	100	50	1.5	125	10

■ Impedance-Frequency Characteristics (Typical)

WCM1211F-800T10-M



WCM1211F-701T80-M

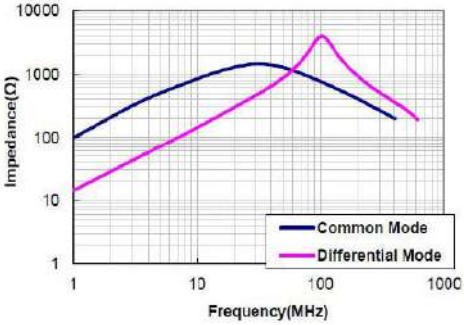


WCM 1211 Series

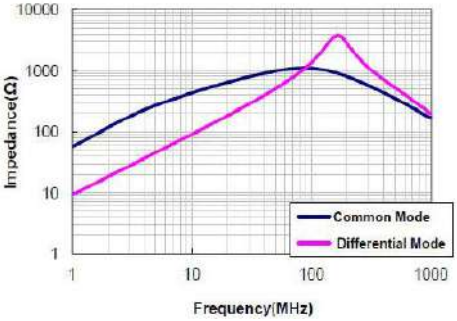
(5040 inch -40~+125℃)

■ Impedance-Frequency Characteristics (Typical)

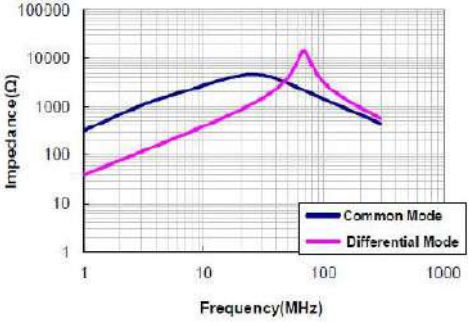
WCM1211F-801T80-M



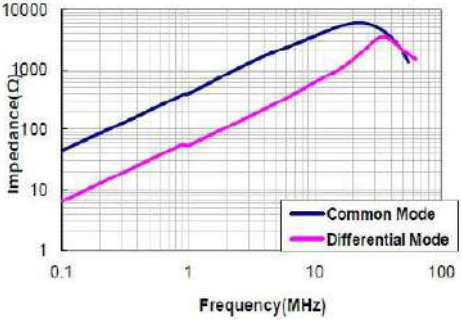
WCM1211F-102T60-M



WCM1211F-222T02-M



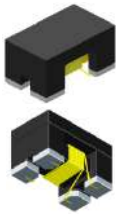
WCM1211F-272T02-M

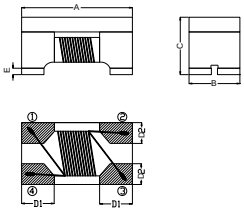


BCM 2012 Series

(0805 inch -40~+125℃)

■ Dimensions





Dimensions	
A	2.00±0.20
B	1.20±0.20
C	1.20±0.20
D1	0.50±0.10
D2	0.51±0.10
E	0.15±0.10

Units: mm

■ Specifications

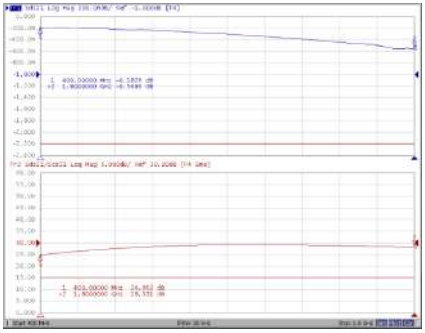
Part Number	UB/B Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Power (dBm) max.	Rated Volt. (DCV) max.	Withstand Volt.(DCV) max.	IR (MΩ) min.	Insertion Loss (dB) max.	CMRR (dB)
BCM2012F2SF-50011-TE2	50/50	400~1800	0.50	27	20	125	10	2.2	15(typ.)
BCM2012F2SF-50011-T02	50/50	40~ 860	1.00	27	20	125	10	2.5	20(typ.)
BCM2012F2SF-50011-MN2	50/50	100~1000	0.35	27	20	50	10	1.0	10(min.)
BCM2012F2SF-50011-ST2	50/50	45~870	1.00	27	20	50	10	1.2	20(min.)
BCM2012F2SF-75011-TE2	75/75	400~1800	0.50	27	20	125	10	2.0	15(typ.)
BCM2012F2SF-75011-T02	75/75	50~1200	0.70	27	20	125	10	1.2	20(typ.)
BCM2012F2SF-75011-MS2	75/75	1000~1500	0.59	27	20	50	10	1.4	20(min.)
BCM2012F2SF-75011-MT2	75/75	50~1200	0.77	27	20	50	10	50~870MHz:1.0 870~1200MHz:1.2	20(min.)
BCM2012F2SF-75011-SA2	75/75	45~870	0.88	27	20	50	10	1.0	20(min.)
BCM2012F2SF-75011-SB2	75/75	50~1200	0.70	27	20	50	10	1.2	20(min.)
BCM2012F2SF-75011-122	75/75	1000~1500	0.59	27	20	50	10	1.4	20(min.)

BCM 2012 Series

(0805 inch -40~ +125℃)

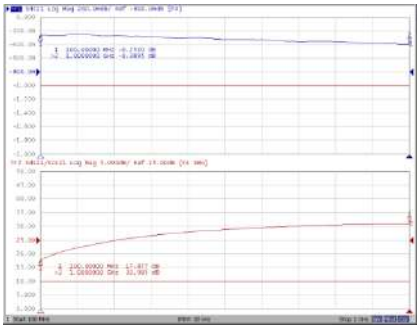
■ Characteristics (Typical)

BCM2012F2SF-50011-TE2



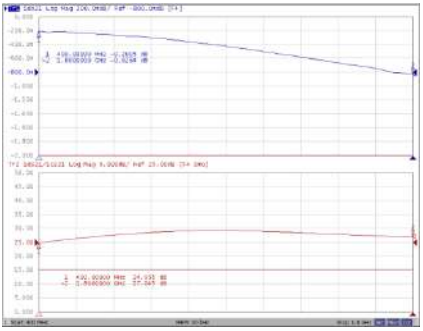
BCM2012F2SF-50011-T02

BCM2012F2SF-50011- MN2

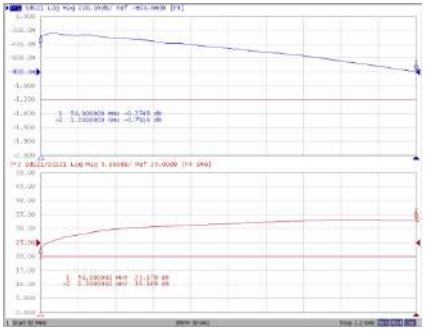


BCM2012F2SF-50011-ST2

BCM2012F2SF-75011-TE2



BCM2012F2SF-75011-T02



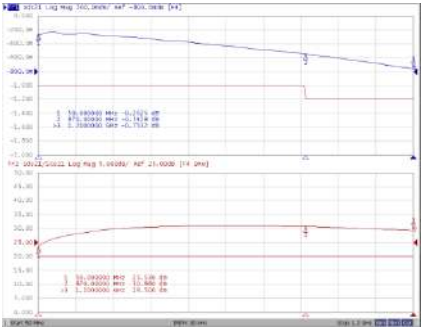
BCM 2012 Series

(0805 inch -40~ +125℃)

■ Characteristics (Typical)

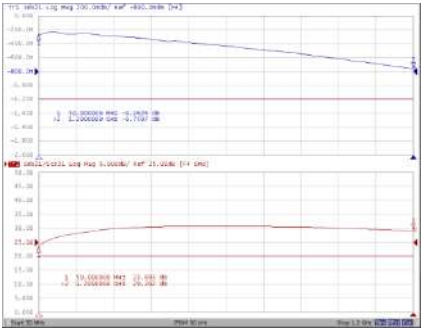
BCM2012F2SF-75011-MS2

BCM2012F2SF-75011-MT2

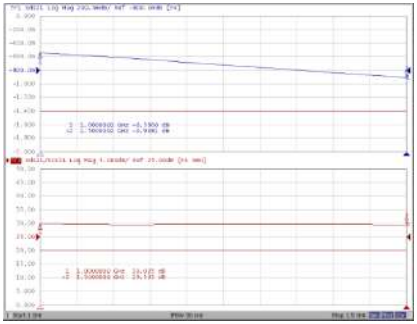


BCM2012F2SF-75011-SA2

BCM2012F2SF-75011-SB2



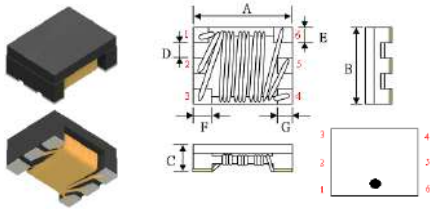
BCM2012F2SF-75011-122



BCM 3225 Series-P

(1210 inch -25~+85℃)

■ Dimensions



Dimensions	
A	3.20±0.20
B	2.50±0.20
C	2.30±0.10
D	0.25±0.10
E	0.67±0.10
F	0.60±0.10
G	0.50±0.10

Units: mm

■ Specifications

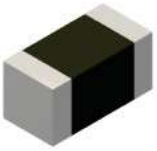
Part Number	Frequency Range	Insertion Loss Sds21(dB) max	Return Loss Sss11(dB) min.	Amplitude Balance (dB) max.	Phase Balance (deg)	DC Resistance (Ω) max.(1line)	Rated Current DC (mA) max. (1-6,5-3/2-4)	Rated Volt. (DCV) max.	IR (MΩ) min.
BCM3225F3SF-75011-CT1-P	5~65MHz	0.8	15	0.10	180±2	0.70	500	10	10
	5~200MHz	1.5	10	0.50	180±5				
BCM3225F3SF-75032-CT1-P	5~100MHz	2.0	5.0	1.00	180±10	0.70	300	10	10
BCM3225F3SF-75034-CT1-P	1~100MHz	2.0	5.0	0.10	180±10	0.70	300	10	10
BCM3225F3SF-75034-1R5-CT1-P	1~100MHz	2.0	5.0	0.10	180±10	1.50	300	10	10

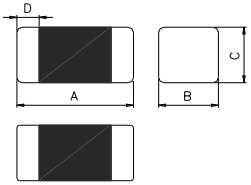
Multilayer Chip Inductors

FCI 1005 Series

(0402 inch -55~+105℃)

■ Dimensions





Dimensions	
A	1.00±0.10
B	0.50±0.10
C	0.50±0.10
D	0.25±0.10

Units: mm

■ Specifications

Part Number	Inductance		Q		Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
	(uH)	Test Frequency (Hz)	min.	Test Frequency (MHz)			
FCI1005F-1R0□	1.00	60mV / 10M	20	10	15	0.90	40
FCI1005F-1R8□	1.80	60mV / 10M	20	10	15	1.45	30
FCI1005F-2R2□	2.20	60mV / 10M	20	10	10	1.70	28

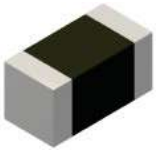
NOTE: □:TOLERANCE K=±10%,L=±15%,M=±20%

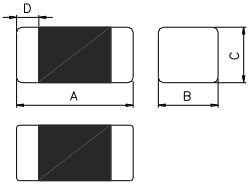
Multilayer Chip Inductors

FCI 1608 Series

(0603 inch -55~+105℃)

■ Dimensions





Dimensions		
A	1.60±0.15	1.80±0.15
B	0.80±0.15	
C	0.80±0.15	
D	0.30±0.20	

Units: mm

■ Specifications

Part Number	ThicknessA Size(mm)	Inductance		Q		Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
		(uH)	Test Frequency (Hz)	min.	Test Frequency(MHz)			
FCI1608F-47N□	1.60±0.15	0.047	60mV / 50M	10	50	50	0.30	260
FCI1608F-68N□	1.60±0.15	0.068	60mV / 50M	10	50	50	0.30	250
FCI1608F-82N□	1.60±0.15	0.082	60mV / 50M	10	50	50	0.30	245
FCI1608F-R10□	1.60±0.15	0.10	60mV / 25M	15	25	50	0.50	240
FCI1608F-R12□	1.60±0.15	0.12	60mV / 25M	15	25	50	0.50	205
FCI1608F-R15□	1.60±0.15	0.15	60mV / 25M	15	25	50	0.60	180
FCI1608F-R18□	1.60±0.15	0.18	60mV / 25M	15	25	50	0.60	165
FCI1608F-R22□	1.60±0.15	0.22	60mV / 25M	15	25	50	0.80	150
FCI1608F-R27□	1.60±0.15	0.27	60mV / 25M	15	25	50	0.80	136
FCI1608F-R33□	1.60±0.15	0.33	60mV / 25M	15	25	35	0.85	125
FCI1608F-R39□	1.60±0.15	0.39	60mV / 25M	15	25	35	1.00	110
FCI1608F-R47□	1.60±0.15	0.47	60mV / 25M	15	25	35	1.35	105
FCI1608F-R56□	1.60±0.15	0.56	60mV / 25M	15	25	35	1.55	95
FCI1608F-R68□	1.60±0.15	0.68	60mV / 25M	15	25	35	1.70	80
FCI1608F-R82□	1.60±0.15	0.82	60mV / 25M	15	25	35	2.10	75
FCI1608F-1R0□	1.60±0.15	1.00	60mV / 10M	30	10	25	0.60	70
FCI1608F-1R5□	1.60±0.15	1.50	60mV / 10M	30	10	25	0.80	55
FCI1608F-1R8□	1.60±0.15	1.80	60mV / 10M	30	10	25	0.95	50
FCI1608F-2R2□	1.60±0.15	2.20	60mV / 10M	30	10	15	1.15	45
FCI1608F-3R3□	1.60±0.15	3.30	60mV / 10M	30	10	15	1.55	38
FCI1608F-4R7□	1.60±0.15	4.70	60mV / 10M	30	10	15	2.10	33
FCI1608TF-100□	1.80±0.15	10.0	60mV / 2M	30	2	15	2.55	17

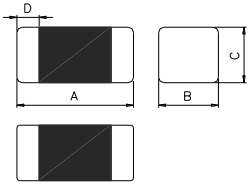
NOTE: □:TOLERANCE K=±10%,L=±15%,M=±20%

Multilayer Chip Inductors

FCI 2012 Series

(0805 inch -55~+105℃)

■ Dimensions



Dimensions		
A	2.00±0.20	
B	1.25±0.20	
C	0.85±0.20	1.25±0.20
D	0.50±0.30	

Units: mm

■ Specifications

Part Number	Thickness	Inductance		Q		Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
	C size(mm)	(uH)	Test Frequency (Hz)	min.	Test Frequency (MHz)			
FCI2012F-47N□	0.85±0.20	0.047	60mV / 50M	15	50	300	0.20	320
FCI2012F-R10□	0.85±0.20	0.10	60mV / 25M	20	25	250	0.30	235
FCI2012F-R12□	0.85±0.20	0.12	60mV / 25M	20	25	250	0.30	220
FCI2012F-R15□	0.85±0.20	0.15	60mV / 25M	20	25	250	0.40	200
FCI2012F-R18□	0.85±0.20	0.18	60mV / 25M	20	25	250	0.40	185
FCI2012F-R22□	0.85±0.20	0.22	60mV / 25M	20	25	250	0.50	170
FCI2012F-R27□	0.85±0.20	0.27	60mV / 25M	20	25	250	0.50	150
FCI2012F-R33□	0.85±0.20	0.33	60mV / 25M	20	25	250	0.55	145
FCI2012F-R39□	0.85±0.20	0.39	60mV / 25M	25	25	200	0.65	135
FCI2012F-R47□	1.25±0.20	0.47	60mV / 25M	25	25	200	0.65	125
FCI2012F-R56□	1.25±0.20	0.56	60mV / 25M	25	25	150	0.75	115
FCI2012F-R68□	1.25±0.20	0.68	60mV / 25M	25	25	150	0.80	105
FCI2012F-1R0□	0.85±0.20	1.00	60mV / 10M	45	10	50	0.40	75
FCI2012F-1R5□	0.85±0.20	1.50	60mV / 10M	45	10	50	0.50	60
FCI2012F-1R8□	0.85±0.20	1.80	60mV / 10M	45	10	50	0.60	55
FCI2012F-2R2□	0.85±0.20	2.20	60mV / 10M	45	10	30	0.65	50
FCI2012F-2R7□	1.25±0.20	2.70	60mV / 10M	45	10	30	0.75	45
FCI2012F-3R3□	1.25±0.20	3.30	60mV / 10M	45	10	30	0.80	41
FCI2012F-4R7□	1.25±0.20	4.70	60mV / 10M	45	10	30	1.00	35
FCI2012F-100□	1.25±0.20	10.0	60mV / 2M	45	2	15	1.15	24

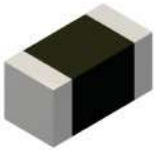
NOTE: □:TOLERANCE K=±10%,L=±15%,M=±20%

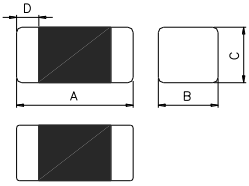
Multilayer Chip Inductors

FCI 3216 Series

(1206 inch -55~+105℃)

■ Dimensions





Dimensions	
A	3.20±0.20
B	1.60±0.20
C	1.10±0.30
D	0.50±0.30

Units: mm

■ Specifications

Part Number	Inductance		Q		Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
	(uH)	Test Frequency (Hz)	min.	Test Frequency (MHz)			
FCI3216F-1R0□	1.00	60mV / 10M	45	10	100	0.40	75
FCI3216F-2R2□	2.20	60mV / 10M	45	10	50	0.60	50
FCI3216F-4R7□	4.70	60mV / 10M	45	10	50	0.90	35
FCI3216F-100□	10.0	60mV / 2M	50	2	25	1.00	24

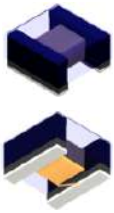
NOTE: □:TOLERANCE K=±10%,L=±15%,M=±20%

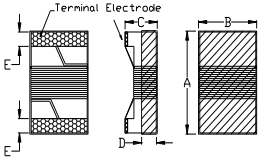
Wire Wound Inductors

SWF 1608LF Series

(0603 inch - 40~+125℃)

■ Dimensions





Dimensions	
A	1.65±0.15
B	1.15±0.15
C	1.05±0.15
D	0.38 ref
E	0.35±0.10

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q typ.	Test Frequency (MHz)	SRF (MHz) typ.	DCR (Ω) max.	IDC (mA) max.
SWF1608LF-47N□	0.047	K	0.5V/7.9M	17	7.9	1700	0.075	1500
SWF1608LF-72N□	0.072	K	0.5V/7.9M	17	7.9	1700	0.12	1500
SWF1608LF-R10□	0.10	K	0.5V/7.9M	17	7.9	1500	0.12	1500
SWF1608LF-R12□	0.12	K	0.5V/7.9M	17	7.9	1350	0.15	1500
SWF1608LF-R15□	0.15	K	0.5V/7.9M	17	7.9	1350	0.15	1450
SWF1608LF-R18□	0.18	K	0.5V/7.9M	17	7.9	1150	0.15	1400
SWF1608LF-R33□	0.33	K	0.5V/7.9M	17	7.9	850	0.46	900
SWF1608LF-R39□	0.39	K	0.5V/7.9M	17	7.9	810	0.51	1100
SWF1608LF-R47□	0.47	K	0.5V/7.9M	17	7.9	720	0.62	1050
SWF1608LF-R56□	0.56	K	0.5V/7.9M	17	7.9	600	0.44	850
SWF1608LF-R68□	0.68	K	0.5V/7.9M	17	7.9	600	0.52	850
SWF1608LF-R82□	0.82	K	0.5V/7.9M	17	7.9	480	0.69	750
SWF1608LF-R91□	0.91	K	0.5V/7.9M	17	7.9	330	0.76	670
SWF1608LF-1R0□	1.00	K	0.5V/7.9M	17	7.9	310	0.81	600
SWF1608LF-1R2□	1.20	K	0.5V/7.9M	17	7.9	270	0.87	550

NOTE: □:TOLERANCE J=±5%, K=±10%

SWF 1608LF Series

(0603 inch - 40~+125℃)

■ Specifications

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q typ.	Test Frequency (MHz)	SRF (MHz) typ.	DCR (Ω) max.	IDC (mA) max.
SWF1608LF-1R5□	1.5	K	0.5V/7.9M	17	7.9	270	1.06	540
SWF1608LF-1R8□	1.8	K	0.5V/7.9M	17	7.9	230	1.10	520
SWF1608LF-2R2□	2.2	K	0.5V/7.9M	17	7.9	130	1.20	500
SWF1608LF-2R7□	2.7	K	0.5V/7.9M	17	7.9	105	1.50	480
SWF1608LF-3R3□	3.3	K	0.5V/7.9M	17	7.9	84	1.50	440
SWF1608LF-3R9□	3.9	K	0.5V/7.9M	17	7.9	80	1.60	430
SWF1608LF-4R7□	4.7	J,K	0.5V/7.9M	18	7.9	69	2.10	420
SWF1608LF-5R6□	5.6	J,K	0.5V/7.9M	18	7.9	65	2.60	350
SWF1608LF-6R8□	6.8	J,K	0.5V/7.9M	19	7.9	55	3.10	330
SWF1608LF-7R8□	7.8	J,K	0.5V/7.9M	17	7.9	47	3.50	320
SWF1608LF-8R2□	8.2	J,K	0.5V/7.9M	17	7.9	42	3.80	300
SWF1608LF-100□	10.0	J,K	0.5V/7.9M	19	7.9	40	4.80	270

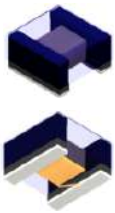
NOTE: □:TOLERANCE J=±5%, K=±10%

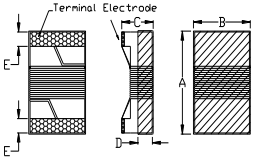
Wire Wound Inductors

SWF 1608CF Series

(0603 inch - 40~+125℃)

■ Dimensions





Dimensions	
A	1.80 max
B	1.20 max
C	1.20 max
D	0.38 ref
E	0.35±0.10

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q min.	Test Frequency (MHz)	SRF (MHz) min.	DCR (Ω) max.	Rated Current (mA) max.
SWF1608CF-47N□	0.047	K,M	0.5V/7.96M	10	7.96	1500	0.075	1400
SWF1608CF-R10□	0.10	K,M	0.5V/7.96M	10	7.96	1150	0.13	1400
SWF1608CF-R12□	0.12	K,M	0.5V/7.96M	10	7.96	1100	0.15	1400
SWF1608CF-R15□	0.15	K,M	0.5V/7.96M	10	7.96	1050	0.15	1300
SWF1608CF-R18□	0.18	K,M	0.5V/7.96M	10	7.96	950	0.15	1300
SWF1608CF-R22□	0.22	K,M	0.5V/7.96M	10	7.96	800	0.15	950
SWF1608CF-R24□	0.24	K,M	0.5V/7.96M	10	7.96	800	0.31	620
SWF1608CF-R27□	0.27	K,M	0.5V/7.96M	10	7.96	775	0.20	710
SWF1608CF-R33□	0.33	K,M	0.5V/7.96M	10	7.96	725	0.35	620
SWF1608CF-R39□	0.39	K,M	0.5V/7.96M	10	7.96	620	0.39	600
SWF1608CF-R47□	0.47	K,M	0.5V/7.96M	10	7.96	540	0.43	570
SWF1608CF-R56□	0.56	K,M	0.5V/7.96M	10	7.96	525	0.47	550
SWF1608CF-R68□	0.68	K,M	0.5V/7.96M	10	7.96	460	0.52	470
SWF1608CF-R82□	0.82	K,M	0.5V/7.96M	10	7.96	410	0.69	400
SWF1608CF-1R0□	1.00	K,M	0.5V/7.96M	10	7.96	190	0.81	400
SWF1608CF-1R2□	1.20	K,M	0.5V/7.96M	10	7.96	160	0.87	370

NOTE: □:TOLERANCE K=±10%, M=±20%

SWF 1608CF Series

(0603 inch - 40~+125℃)

■ Specifications

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q min.	Test Frequency (MHz)	SRF (MHz) min.	DCR (Ω) max.	Rated Current (mA) max.
SWF1608CF-1R5□	1.5	K,M	0.5V/7.96M	10	7.96	100	0.96	350
SWF1608CF-1R8□	1.8	K,M	0.5V/7.96M	10	7.96	80	1.10	350
SWF1608CF-2R2□	2.2	K,M	0.5V/7.96M	10	7.96	68	1.20	320
SWF1608CF-3R3□	3.3	K,M	0.5V/7.96M	10	7.96	42	1.50	280
SWF1608CF-3R9□	3.9	K,M	0.5V/7.96M	10	7.96	40	1.50	280
SWF1608CF-4R7□	4.7	K,M	0.5V/7.96M	10	7.96	34	2.10	260
SWF1608CF-5R6□	5.6	K,M	0.5V/7.96M	10	7.96	32	2.60	240
SWF1608CF-6R8□	6.8	K,M	0.5V/7.96M	10	7.96	31	3.10	200
SWF1608CF-8R2□	8.2	K,M	0.5V/7.96M	10	7.96	26	4.40	190
SWF1608CF-100□	10.0	K,M	0.5V/2.52M	10	2.52	25	4.80	180

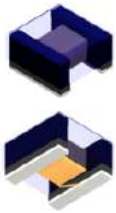
NOTE: □:TOLERANCE K=±10%, M=±20%

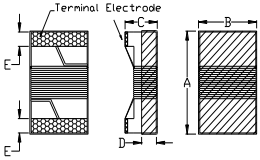
Wire Wound Inductors

SWF 2012CF Series

(0805 inch -40~+125℃)

■ Dimensions





Dimensions	
A	2.40 max
B	1.60 max
C	1.40 max
D	0.51 ref
E	0.44±0.10

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q min.	Test Frequency (MHz)	SRF (MHz) min.	DCR (Ω) max.	Rated Current (mA) max.
SWF2012CF-R47□	0.47	K,M	0.5V/7.96M	10	7.96	720	0.20	750
SWF2012CF-R56□	0.56	K,M	0.5V/7.96M	10	7.96	665	0.21	730
SWF2012CF-R68□	0.68	K,M	0.5V/7.96M	10	7.96	565	0.28	670
SWF2012CF-R82□	0.82	K,M	0.5V/7.96M	10	7.96	545	0.31	650
SWF2012CF-1R0□	1.00	K,M	0.5V/7.96M	10	7.96	525	0.34	615
SWF2012CF-1R2□	1.20	K,M	0.5V/7.96M	10	7.96	473	0.39	550
SWF2012CF-1R5□	1.50	K,M	0.5V/7.96M	10	7.96	300	0.45	520
SWF2012CF-1R8□	1.80	K,M	0.5V/7.96M	10	7.96	230	0.48	500
SWF2012CF-2R2□	2.20	K,M	0.5V/7.96M	10	7.96	215	0.67	420
SWF2012CF-2R7□	2.70	K,M	0.5V/7.96M	10	7.96	140	0.74	410
SWF2012CF-3R3□	3.30	K,M	0.5V/7.96M	10	7.96	95	0.81	385
SWF2012CF-3R9□	3.90	K,M	0.5V/7.96M	10	7.96	57	0.88	372
SWF2012CF-4R7□	4.70	K,M	0.5V/7.96M	10	7.96	51	0.99	345
SWF2012CF-5R6□	5.60	K,M	0.5V/7.96M	10	7.96	44	1.06	335
SWF2012CF-6R8□	6.80	K,M	0.5V/7.96M	10	7.96	39	1.21	315
SWF2012CF-8R2□	8.20	K,M	0.5V/7.96M	10	7.96	33	1.33	295
SWF2012CF-100□	10.0	K,M	0.5V/2.52M	10	2.52	30	1.79	260
SWF2012CF-120□	12.0	K,M	0.5V/2.52M	10	2.52	27	1.98	250
SWF2012CF-150□	15.0	K,M	0.5V/2.52M	10	2.52	22	2.68	215
SWF2012CF-180□	18.0	K,M	0.5V/2.52M	10	2.52	20	3.12	195
SWF2012CF-220□	22.0	K,M	0.5V/2.52M	10	2.52	18	3.48	180
SWF2012CF-270□	27.0	K,M	0.5V/2.52M	10	2.52	16	3.84	170
SWF2012CF-330□	33.0	K,M	0.5V/2.52M	10	2.52	15	4.34	145

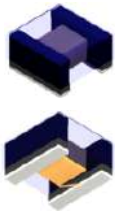
NOTE: □:TOLERANCE K=±10%, M=±20%

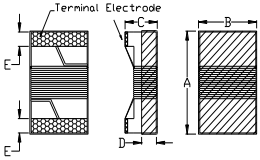
Wire Wound Inductors

SWF 2520CF Series

(1008 inch -40~+125℃)

■ Dimensions





Dimensions	
A	2.90 max
B	2.50 max
C	2.10 max
D	1.20 ref
E	0.55±0.10

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q min.	Test Frequency (MHz)	SRF (MHz) min.	DCR (Ω) max.	Rated Current (mA) max.
SWF2520CF-1R0□	1.00	K,M	0.5V/7.96M	12	7.96	345	0.13	1000
SWF2520CF-1R5□	1.50	K,M	0.5V/7.96M	12	7.96	100	0.17	850
SWF2520CF-2R2□	2.20	K,M	0.5V/7.96M	12	7.96	78	0.21	775
SWF2520CF-3R3□	3.30	K,M	0.5V/7.96M	12	7.96	48	0.26	715
SWF2520CF-4R7□	4.70	K,M	0.5V/7.96M	12	7.96	46	0.52	505
SWF2520CF-6R8□	6.80	K,M	0.5V/7.96M	12	7.96	33	0.72	432
SWF2520CF-8R2□	8.20	K,M	0.5V/2.52M	12	2.52	30	0.76	410
SWF2520CF-100□	10.0	K,M	0.5V/2.52M	12	2.52	28	0.86	392
SWF2520CF-150□	15.0	K,M	0.5V/2.52M	12	2.52	21	1.09	342
SWF2520CF-220□	22.0	K,M	0.5V/2.52M	12	2.52	18	1.96	260
SWF2520CF-330□	33.0	K,M	0.5V/2.52M	12	2.52	15	2.47	236

NOTE: □:TOLERANCE K=±10%, M=±20%

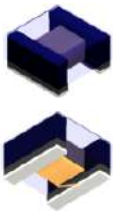
:

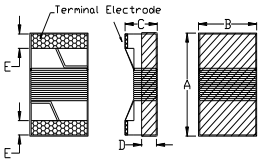
Wire Wound Inductors

SWF 3225CF Series

(1210 inch -40~+125℃)

■ Dimensions





Dimensions	
A	3.60 max
B	2.80 max
C	2.60 max
D	0.80 ref
E	0.55±0.10

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q min.	Test Frequency (MHz)	SRF (MHz) min.	DCR (Ω) max.	Rated Current (mA) max.
SWF3225CF-1R0□	1.00	K,M	0.5V/7.96M	10	7.96	290	0.12	1200
SWF3225CF-1R5□	1.50	K,M	0.5V/7.96M	10	7.96	260	0.13	1000
SWF3225CF-2R2□	2.20	K,M	0.5V/7.96M	10	7.96	190	0.17	880
SWF3225CF-3R3□	3.30	K,M	0.5V/7.96M	10	7.96	64	0.22	775
SWF3225CF-4R7□	4.70	K,M	0.5V/7.96M	10	7.96	54	0.26	710
SWF3225CF-6R8□	6.80	K,M	0.5V/7.96M	10	7.96	34	0.30	660
SWF3225CF-100□	10.0	K,M	0.5V/2.52M	10	2.52	25	0.39	570
SWF3225CF-150□	15.0	K,M	0.5V/2.52M	10	2.52	17	0.66	440
SWF3225CF-220□	22.0	K,M	0.5V/2.52M	10	2.52	16	0.82	400
SWF3225CF-330□	33.0	K,M	0.5V/2.52M	10	2.52	12	1.50	285
SWF3225CF-390□	39.0	K,M	0.5V/2.52M	10	2.52	12	1.66	270
SWF3225CF-470□	47.0	K,M	0.5V/2.52M	10	2.52	10	1.90	260
SWF3225CF-680□	68.0	K,M	0.5V/2.52M	10	2.52	9.0	2.29	235
SWF3225CF-101□	100	K,M	0.5V/1M	10	1.00	7.0	3.48	190
SWF3225CF-151□	150	K,M	0.5V/1M	10	1.00	5.0	6.55	140
SWF3225CF-221□	220	K,M	0.5V/1M	10	1.00	4.0	8.23	115
SWF3225CF-331□	330	K,M	0.5V/1M	10	1.00	2.8	13.7	98
SWF3225CF-471□	470	K,M	0.5V/1M	10	1.00	2.6	18.1	86
SWF3225CF-681□	680	K,M	0.5V/1M	10	1.00	2.3	22.0	76

NOTE: □:TOLERANCE K=±10%, M=±20%

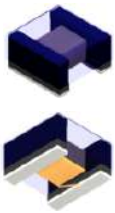
:

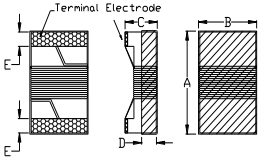
Wire Wound Inductors

SWF 1608RIF Series

(0603 inch -40~+125℃)

■ Dimensions





Dimensions	
A	1.60±0.20
B	1.00±0.20
C	1.00±0.10
D	0.60 ref
E	0.35±0.10

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q/MHz Typ.	SRF (MHz) Typ.	DCR (Ω) ±30%	Isat (mA) Typ.	Irms (mA) Typ.
SWF1608RIF-R10□	0.10	K,M	0.5V/7.9M	13/7.9	1150	0.063	1700	1400
SWF1608RIF-R15□	0.15	K,M	0.5V/7.9M	13/7.9	1050	0.074	1700	1300
SWF1608RIF-R27□	0.27	K,M	0.5V/7.9M	13/7.9	1000	0.12	1400	1100
SWF1608RIF-R33□	0.33	K,M	0.5V/7.9M	13/7.9	1100	0.13	1300	1000
SWF1608RIF-R47□	0.47	K,M	0.5V/7.9M	13/7.9	900	0.18	1100	900
SWF1608RIF-R56□	0.56	K,M	0.5V/7.9M	13/7.9	630	0.20	1100	800
SWF1608RIF-R68□	0.68	K,M	0.5V/7.9M	13/7.9	510	0.22	900	750
SWF1608RIF-1R0□	1.0	K,M	0.5V/7.9M	16/7.9	390	0.32	860	700
SWF1608RIF-1R5□	1.5	K,M	0.5V/7.9M	16/7.9	160	0.40	720	600
SWF1608RIF-2R2□	2.2	K,M	0.5V/7.9M	16/7.9	103	0.56	600	580
SWF1608RIF-3R3□	3.3	K,M	0.5V/7.9M	16/7.9	66	0.70	500	500
SWF1608RIF-4R7□	4.7	K,M	0.5V/7.9M	16/7.9	51	0.97	400	420
SWF1608RIF-5R6□	5.6	K,M	0.5V/7.9M	16/7.9	47	1.10	380	380
SWF1608RIF-6R8□	6.8	K,M	0.5V/7.9M	16/7.9	43	1.50	340	340
SWF1608RIF-8R2□	8.2	K,M	0.5V/7.9M	16/7.9	40	1.68	300	300
SWF1608RIF-100□	10	K,M	0.5V/2.5M	14/2.5	36	1.85	280	280
SWF1608RIF-150□	15	K,M	0.5V/2.5M	14/2.5	29	2.60	240	240
SWF1608RIF-180□	18	K,M	0.5V/2.5M	14/2.5	28	2.90	220	220
SWF1608RIF-220□	22	K,M	0.5V/2.5M	14/2.5	24	3.61	200	200

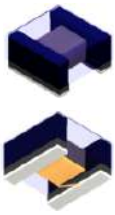
NOTE: □:TOLERANCE K=±10%, M=±20%

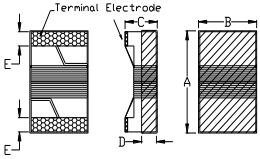
Wire Wound Inductors

SWF 2012RIF Series

(0805 inch -40~+125℃)

■ Dimensions





Dimensions	
A	2.20±0.20
B	1.40±0.20
C	1.30±0.10
D	0.65ref
E	0.50±0.10

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q/MHz Typ.	SRF (MHz) Typ.	DCR (Ω) ±30%	IDC (mA) Typ.	Irms (mA) Typ.
SWF2012RIF-R10□	0.10	K,M	0.5V/7.9M	10/7.9	1600	0.06	1900	2000
SWF2012RIF-R22□	0.22	K,M	0.5V/7.9M	13/7.9	1550	0.08	1600	1700
SWF2012RIF-R33□	0.33	K,M	0.5V/7.9M	13/7.9	1150	0.09	1400	1500
SWF2012RIF-R47□	0.47	K,M	0.5V/7.9M	13/7.9	800	0.10	1300	1400
SWF2012RIF-R56□	0.56	K,M	0.5V/7.9M	13/7.9	750	0.13	1200	1300
SWF2012RIF-R68□	0.68	K,M	0.5V/7.9M	13/7.9	700	0.14	1100	1200
SWF2012RIF-R82□	0.82	K,M	0.5V/7.9M	13/7.9	350	0.15	1000	1100
SWF2012RIF-1R0□	1.00	K,M	0.5V/7.9M	14/7.9	208	0.13	1100	1300
SWF2012RIF-2R2□	2.20	K,M	0.5V/7.9M	13/7.9	87	0.22	740	1040
SWF2012RIF-3R3□	3.30	K,M	0.5V/7.9M	12/7.9	70	0.30	620	800
SWF2012RIF-4R7□	4.70	K,M	0.5V/7.9M	14/7.9	51	0.43	520	840
SWF2012RIF-6R8□	6.80	K,M	0.5V/7.9M	14/7.9	46	0.68	420	700
SWF2012RIF-8R2□	8.20	K,M	0.5V/7.9M	14/7.9	33	0.73	400	680
SWF2012RIF-100□	10.0	K,M	0.5V/2.5M	14/2.5	31	0.85	360	560
SWF2012RIF-150□	15.0	K,M	0.5V/2.5M	15/2.5	28	1.40	300	380
SWF2012RIF-220□	22.0	K,M	0.5V/2.5M	15/2.5	20	1.76	240	340

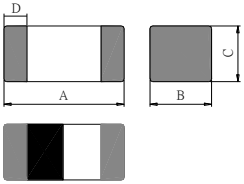
NOTE: □:TOLERANCE K=±10%, M=±20%

Multilayer Chip Inductor For High Frequency

HCI0603LF Series

(0201 inch -55~+105℃)

■ Dimensions



Dimensions	
A	0.60±0.05
B	0.30±0.05
C	0.30±0.05
D	0.15±0.05

Units: mm

■ Specifications

Part Number	Inductance (nH)	Test Frequency (MHz)	Q min.	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
HCI0603LF-0N8S-MS8	0.8±0.3	100	4	500	0.10	>10000
HCI0603LF-1N0S-MS8	1.0±0.3	100	4	470	0.11	>10000
HCI0603LF-1N2S-MS8	1.2±0.3	100	4	450	0.12	>10000
HCI0603LF-1N5S-MS8	1.5±0.3	100	4	430	0.13	>10000
HCI0603LF-1N8S-MS8	1.8±0.3	100	4	390	0.16	>10000
HCI0603LF-2N0S-MS8	2.0±0.3	100	4	380	0.17	>10000
HCI0603LF-2N2S-MS8	2.2±0.3	100	4	360	0.19	8800
HCI0603LF-2N4S-MS8	2.4±0.3	100	4	350	0.20	8300
HCI0603LF-2N7S-MS8	2.7±0.3	100	4	340	0.21	7700
HCI0603LF-3N0S-MS8	3.0±0.3	100	4	330	0.22	7200
HCI0603LF-3N3S-MS8	3.3±0.3	100	4	320	0.23	6700
HCI0603LF-3N6S-MS8	3.6±0.3	100	4	310	0.25	6400
HCI0603LF-3N9S-MS8	3.9±0.3	100	4	300	0.27	6000
HCI0603LF-4N3S-MS8	4.3±0.3	100	4	280	0.30	5700
HCI0603LF-4N7S-MS8	4.7±0.3	100	4	280	0.30	5300

● Rated current: based on temperature rise test

HCI0603LF Series

(0201 inch -55~+105℃)

■ Specifications

Part Number	Inductance (nH)	Test Frequency (MHz)	Q min.	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
HCI0603LF-5N1S-MS8	5.1±0.3	100	4	270	0.33	5000
HCI0603LF-5N6S-MS8	5.6±0.3	100	4	260	0.36	4600
HCI0603LF-6N2S-MS8	6.2±0.3	100	4	250	0.38	4200
HCI0603LF-6N8J-MS8	6.8±5%	100	4	250	0.39	3900
HCI0603LF-7N5J-MS8	7.5±5%	100	4	240	0.41	3600
HCI0603LF-8N2J-MS8	8.2±5%	100	4	230	0.45	3400
HCI0603LF-9N1J-MS8	9.1±5%	100	4	220	0.48	3200
HCI0603LF-10NJ-MS8	10±5%	100	4	220	0.51	2900
HCI0603LF-12NJ-MS8	12±5%	100	4	190	0.68	2700
HCI0603LF-15NJ-MS8	15±5%	100	4	180	0.71	2300
HCI0603LF-18NJ-MS8	18±5%	100	4	170	0.81	2100
HCI0603LF-22NJ-MS8	22±5%	100	4	150	1.00	1800
HCI0603LF-27NJ-MS8	27±5%	100	4	120	1.35	1800
HCI0603LF-33NJ-MS8	33±5%	100	4	110	1.47	1700
HCI0603LF-39NJ-MS8	39±5%	100	4	100	1.72	1500
HCI0603LF-47NJ-MS8	47±5%	100	4	100	1.90	1300
HCI0603LF-56NJ-MS8	56±5%	100	4	80	2.27	1100
HCI0603LF-68NJ-MS8	68±5%	100	4	80	2.66	1100
HCI0603LF-82NJ-MS8	82±5%	100	4	70	3.37	1000

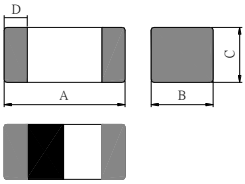
● Rated current: based on temperature rise test

Multilayer Chip Inductor For High Frequency

HCI1005LF Series

(0402 inch -55~+105℃)

■ Dimensions



Dimensions	
A	1.00±0.15
B	0.50±0.15
C	0.50±0.15
D	0.25±0.10

Units: mm

■ Specifications

Part Number	Inductance (nH)	Test Frequency (MHz)	Q min.	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
HCI1005LF-1N0S-MS8	1.0±0.3	100	7	400	0.10	10000
HCI1005LF-1N2S-MS8	1.2±0.3	100	7	400	0.10	10000
HCI1005LF-1N5S-MS8	1.5±0.3	100	7	300	0.10	6000
HCI1005LF-1N8S-MS8	1.8±0.3	100	7	300	0.10	6000
HCI1005LF-2N0S-MS8	2.0±0.3	100	7	300	0.20	6000
HCI1005LF-2N2S-MS8	2.2±0.3	100	7	300	0.20	6000
HCI1005LF-2N4S-MS8	2.4±0.3	100	7	300	0.20	6000
HCI1005LF-2N7S-MS8	2.7±0.3	100	7	300	0.20	6000
HCI1005LF-3N0S-MS8	3.0±0.3	100	7	300	0.20	6000
HCI1005LF-3N3S-MS8	3.3±0.3	100	7	300	0.20	6000
HCI1005LF-3N6S-MS8	3.6±0.3	100	7	300	0.20	4000
HCI1005LF-3N9S-MS8	3.9±0.3	100	7	300	0.20	4000
HCI1005LF-4N3S-MS8	4.3±0.3	100	7	300	0.20	4000
HCI1005LF-4N7S-MS8	4.7±0.3	100	7	300	0.20	4000
HCI1005LF-5N1S-MS8	5.1±0.3	100	7	300	0.30	4000

● Rated current: based on temperature rise test

HCI1005LF Series

(0402 inch -55~+105℃)

■ Specifications

Part Number	Inductance (nH)	Test Frequency (MHz)	Q min.	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
HCI1005LF-5N6S-MS8	5.6±0.3	100	7	300	0.30	4000
HCI1005LF-6N2J-MS8	6.2±5%	100	7	300	0.30	3900
HCI1005LF-6N8J-MS8	6.8±5%	100	7	300	0.30	3900
HCI1005LF-7N5J-MS8	7.5±5%	100	7	300	0.40	3700
HCI1005LF-8N2J-MS8	8.2±5%	100	7	300	0.40	3600
HCI1005LF-9N1J-MS8	9.1±5%	100	7	300	0.40	3400
HCI1005LF-10NJ-MS8	10±5%	100	7	300	0.40	3200
HCI1005LF-12NJ-MS8	12±5%	100	8	300	0.50	2700
HCI1005LF-15NJ-MS8	15±5%	100	8	300	0.50	2300
HCI1005LF-18NJ-MS8	18±5%	100	8	300	0.60	2100
HCI1005LF-22NJ-MS8	22±5%	100	8	300	0.60	1900
HCI1005LF-27NJ-MS8	27±5%	100	8	300	0.70	1600
HCI1005LF-33NJ-MS8	33±5%	100	8	200	0.80	1300
HCI1005LF-39NJ-MS8	39±5%	100	8	200	1.00	1200
HCI1005LF-47NJ-MS8	47±5%	100	8	200	1.10	1100
HCI1005LF-56NJ-MS8	56±5%	100	8	200	1.20	750
HCI1005LF-68NJ-MS8	68±5%	100	8	180	1.40	750
HCI1005LF-82NJ-MS8	82±5%	100	8	150	2.40	750
HCI1005LF-R10J-MS8	100±5%	100	8	150	2.60	700
HCI1005LF-R12J-MS8	120±5%	100	8	150	2.80	600
HCI1005LF-R15J-MS8	150±5%	100	8	100	3.20	550
HCI1005LF-R18J-MS8	180±5%	100	8	100	3.70	500
HCI1005LF-R22J-MS8	220±5%	100	8	100	4.00	400
HCI1005LF-R27J-MS8	270±5%	100	8	50	4.50	350
HCI1005LF-R33J-MS8	330±5%	100	8	50	7.00	350

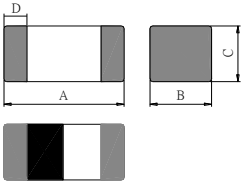
● Rated current: based on temperature rise test

Multilayer Chip Inductor For High Frequency

HCI0603FQ Series

(0201 inch -55~+105℃)

■ Dimensions



Dimensions	
A	0.60±0.03
B	0.30±0.03
C	0.30±0.03
D	0.15±0.05

Units: mm

■ Specifications

Part Number	Inductance (nH)	Tolerance	Test Frequency (MHz)	Q min.	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
HCI0603FQ-0N6□-MS8	0.6	B, C, S	500	14	1000	0.05	10000
HCI0603FQ-0N7□-MS8	0.7	B, C, S	500	14	1000	0.05	10000
HCI0603FQ-0N8□-MS8	0.8	B, C, S	500	14	1000	0.06	10000
HCI0603FQ-0N9□-MS8	0.9	B, C, S	500	14	800	0.06	10000
HCI0603FQ-1N0□-MS8	1.0	B, C, S	500	14	800	0.07	10000
HCI0603FQ-1N1□-MS8	1.1	B, C, S	500	14	800	0.07	10000
HCI0603FQ-1N2□-MS8	1.2	B, C, S	500	14	800	0.10	10000
HCI0603FQ-1N3□-MS8	1.3	B, C, S	500	14	700	0.10	10000
HCI0603FQ-1N4□-MS8	1.4	B, C, S	500	14	700	0.10	10000
HCI0603FQ-1N5□-MS8	1.5	B, C, S	500	14	650	0.10	10000
HCI0603FQ-1N6□-MS8	1.6	B, C, S	500	14	650	0.10	10000
HCI0603FQ-1N7□-MS8	1.7	B, C, S	500	14	650	0.10	10000
HCI0603FQ-1N8□-MS8	1.8	B, C, S	500	14	650	0.15	9000
HCI0603FQ-2N0□-MS8	2.0	B, C, S	500	14	650	0.15	8500
HCI0603FQ-2N2□-MS8	2.2	B, C, S	500	14	650	0.15	7500
HCI0603FQ-2N4□-MS8	2.4	B, C, S	500	14	550	0.15	7500
HCI0603FQ-2N6□-MS8	2.6	B, C, S	500	14	550	0.20	7500
HCI0603FQ-2N7□-MS8	2.7	B, C, S	500	14	550	0.20	7500
HCI0603FQ-2N8□-MS8	2.8	B, C, S	500	14	500	0.20	7500
HCI0603FQ-3N0□-MS8	3.0	B, C, S	500	14	450	0.20	7500
HCI0603FQ-3N3□-MS8	3.3	B, C, S	500	14	450	0.25	7500

□:TOLERANCE B=±0.1nH , C=±0.2nH , S=±0.3nH

HCI0603FQ Series

(0201 inch -55~+105℃)

■ Specifications

Part Number	Inductance (nH)	Tolerance	Test Frequency (MHz)	Q min.	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
HCI0603FQ-3N6□-MS8	3.6	B, C, S	500	14	400	0.25	6500
HCI0603FQ-3N9□-MS8	3.9	B, C, S	500	14	400	0.25	6500
HCI0603FQ-4N3□-MS8	4.3	B, C, S	500	14	350	0.35	6000
HCI0603FQ-4N7□-MS8	4.7	B, C, S	500	14	350	0.40	6000
HCI0603FQ-5N1□-MS8	5.1	B, C, S	500	14	350	0.40	5500
HCI0603FQ-5N6□-MS8	5.6	B, C, S	500	14	350	0.40	5000
HCI0603FQ-6N2□-MS8	6.2	B, C, S	500	14	300	0.40	5000
HCI0603FQ-6N8□-MS8	6.8	H, J	500	14	300	0.50	4500
HCI0603FQ-7N5□-MS8	7.5	H, J	500	14	300	0.50	4000
HCI0603FQ-8N2□-MS8	8.2	H, J	500	14	250	0.50	4000
HCI0603FQ-9N1□-MS8	9.1	H, J	500	14	250	0.70	4000
HCI0603FQ-10N□-MS8	10	H, J	500	14	250	0.70	4000
HCI0603FQ-12N□-MS8	12	H, J	500	13	250	0.70	3500
HCI0603FQ-15N□-MS8	15	H, J	500	13	250	0.85	3200
HCI0603FQ-18N□-MS8	18	H, J	500	13	200	1.00	3000
HCI0603FQ-20N□-MS8	20	H, J	500	13	150	1.10	2200
HCI0603FQ-22N□-MS8	22	H, J	500	13	150	1.20	2200
HCI0603FQ-27N□-MS8	27	H, J	500	13	140	1.50	2200
HCI0603FQ-33N□-MS8	33	H, J	300	12	120	1.80	1800
HCI0603FQ-36N□-MS8	36	H, J	300	12	120	2.00	1700
HCI0603FQ-39N□-MS8	39	H, J	300	12	120	2.00	1600
HCI0603FQ-43N□-MS8	43	H, J	300	12	100	2.20	1600
HCI0603FQ-47N□-MS8	47	H, J	300	12	100	2.20	1500
HCI0603FQ-56N□-MS8	56	H, J	300	12	100	2.50	1200
HCI0603FQ-68N□-MS8	68	H, J	300	12	100	3.20	1000
HCI0603FQ-75N□-MS8	75	H, J	300	11	100	3.60	1000
HCI0603FQ-82N□-MS8	82	H, J	300	11	100	3.80	1000
HCI0603FQ-91N□-MS8	91	H, J	300	11	80	3.80	900
HCI0603FQ-R10□-MS8	100	H, J	300	11	80	4.00	800
HCI0603FQ-R12□-MS8	120	H, J	300	10	80	5.00	800

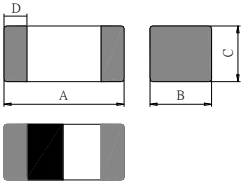
□:TOLERANCE B=±0.1nH , C=±0.2nH , S=±0.3nH , H=±3% , J=±5%

Multilayer Chip Inductor For High Frequency

HCI1005FQ Series

(0402 inch -55~+105℃)

■ Dimensions



Dimensions	
A	1.00±0.15
B	0.50±0.15
C	0.50±0.15
D	0.25±0.10

Units: mm

■ Specifications

Part Number	Inductance (nH)	Test Frequency (MHz)	Q min.	Q(Typ.) 500MHz	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
HCI1005FQ-1N0S-MS8	1.0±0.3	100	8	22	1000	0.06	10000
HCI1005FQ-1N1S-MS8	1.1±0.3	100	8	23	1000	0.07	10000
HCI1005FQ-1N2S-MS8	1.2±0.3	100	8	23	1000	0.07	10000
HCI1005FQ-1N3S-MS8	1.3±0.3	100	8	22	1000	0.07	10000
HCI1005FQ-1N5S-MS8	1.5±0.3	100	8	23	1000	0.08	6000
HCI1005FQ-1N6S-MS8	1.6±0.3	100	8	23	1000	0.08	6000
HCI1005FQ-1N8S-MS8	1.8±0.3	100	8	20	900	0.08	6000
HCI1005FQ-2N0S-MS8	2.0±0.3	100	8	21	900	0.09	6000
HCI1005FQ-2N2S-MS8	2.2±0.3	100	8	22	900	0.09	6000
HCI1005FQ-2N4S-MS8	2.4±0.3	100	8	21	800	0.10	6000
HCI1005FQ-2N7S-MS8	2.7±0.3	100	8	22	800	0.12	6000
HCI1005FQ-3N0S-MS8	3.0±0.3	100	8	24	800	0.12	6000
HCI1005FQ-3N3S-MS8	3.3±0.3	100	8	24	800	0.13	6000
HCI1005FQ-3N6S-MS8	3.6±0.3	100	8	21	700	0.15	4000
HCI1005FQ-3N9S-MS8	3.9±0.3	100	8	22	700	0.16	4000
HCI1005FQ-4N3S-MS8	4.3±0.3	100	8	24	700	0.16	4000
HCI1005FQ-4N7S-MS8	4.7±0.3	100	8	23	700	0.16	4000
HCI1005FQ-5N1S-MS8	5.1±0.3	100	8	23	600	0.16	4000
HCI1005FQ-5N6S-MS8	5.6±0.3	100	8	22	600	0.20	4000

HCI1005FQ Series

(0402 inch -55~+105℃)

■ Specifications

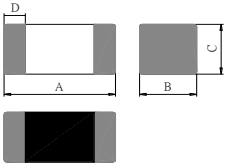
Part Number	Inductance (nH)	Test Frequency (MHz)	Q min.	Q(Typ.) 500MHz	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
HCI1005FQ-6N2S-MS8	6.2±0.3	100	8	24	600	0.20	3900
HCI1005FQ-6N8J-MS8	6.8±5%	100	8	23	600	0.20	3900
HCI1005FQ-7N5J-MS8	7.5±5%	100	8	24	500	0.24	3700
HCI1005FQ-8N2J-MS8	8.2±5%	100	8	23	500	0.24	3600
HCI1005FQ-9N1J-MS8	9.1±5%	100	8	24	500	0.26	3400
HCI1005FQ-10NJ-MS8	10±5%	100	8	24	500	0.26	3200
HCI1005FQ-12NJ-MS8	12±5%	100	8	23	400	0.50	2700
HCI1005FQ-15NJ-MS8	15±5%	100	8	23	400	0.50	2300
HCI1005FQ-18NJ-MS8	18±5%	100	8	23	350	0.60	2100
HCI1005FQ-20NJ-MS8	20±5%	100	8	21	350	0.60	2000
HCI1005FQ-22NJ-MS8	22±5%	100	8	22	350	0.60	1900
HCI1005FQ-27NJ-MS8	27±5%	100	8	20	300	0.70	1600
HCI1005FQ-33NJ-MS8	33±5%	100	8	20	300	0.80	1300
HCI1005FQ-39NJ-MS8	39±5%	100	8	20	250	1.00	1200
HCI1005FQ-43NJ-MS8	43±5%	100	8	20	250	1.10	1100
HCI1005FQ-47NJ-MS8	47±5%	100	8	19	250	1.10	1000
HCI1005FQ-56NJ-MS8	56±5%	100	8	19	200	1.20	750
HCI1005FQ-68NJ-MS8	68±5%	100	8	17	200	1.40	750
HCI1005FQ-82NJ-MS8	82±5%	100	8	16	200	1.60	750
HCI1005FQ-R10J-MS8	100±5%	100	8	17	200	2.00	700
HCI1005FQ-R12J-MS8	120±5%	100	8	12	150	2.50	600
HCI1005FQ-R15J-MS8	150±5%	100	8	11	150	3.00	550
HCI1005FQ-R18J-MS8	180±5%	100	8	-	150	3.50	500
HCI1005FQ-R22J-MS8	220±5%	100	8	-	100	3.70	450
HCI1005FQ-R27J-MS8	270±5%	100	8	-	100	4.50	400
HCI1005FQ-R33J-MS8	330±5%	50	6	-	80	5.00	350
HCI1005FQ-R36J-MS8	360±5%	50	6	-	80	6.00	300

Multilayer Chip Inductor For High Frequency

HCI 1608 Series

(0603 inch -55~+105℃)

■ Dimensions



Dimensions	
A	1.60±0.15
B	0.80±0.15
C	0.80±0.15
D	0.30±0.20

Units: mm

■ Specifications

Part Number	Inductance		Q		Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
	(nH)	Test Frequency (MHz)	Normal Value	min.			
HCI1608F-1N0S-M	1.0±0.3	100	14	8	300	0.05	10000
HCI1608F-1N2S-M	1.2±0.3	100	14	8	300	0.05	10000
HCI1608F-1N5S-M	1.5±0.3	100	14	8	300	0.10	6000
HCI1608F-1N8S-M	1.8±0.3	100	10	8	300	0.10	6000
HCI1608F-2N2S-M	2.2±0.3	100	12	8	300	0.10	6000
HCI1608F-2N7S-M	2.7±0.3	100	13	10	300	0.10	6000
HCI1608F-3N3S-M	3.3±0.3	100	14	10	300	0.12	6000
HCI1608F-3N9S-M	3.9±0.3	100	13	10	300	0.14	6000
HCI1608F-4N7S-M	4.7±0.3	100	13	10	300	0.16	4000
HCI1608F-5N6S-M	5.6±0.3	100	14	10	300	0.18	4000
HCI1608F-6N8J-M	6.8±5%	100	14	10	300	0.22	4000
HCI1608F-8N2J-M	8.2±5%	100	14	10	300	0.24	3500
HCI1608F-10NJ-M	10±5%	100	14	12	300	0.26	3400
HCI1608F-12NJ-M	12±5%	100	14	12	300	0.28	2600
HCI1608F-15NJ-M	15±5%	100	15	12	300	0.32	2300
HCI1608F-18NJ-M	18±5%	100	15	12	300	0.35	2000
HCI1608F-22NJ-M	22±5%	100	16	12	300	0.40	1600
HCI1608F-27NJ-M	27±5%	100	16	12	300	0.45	1400
HCI1608F-33NJ-M	33±5%	100	17	12	300	0.55	1200
HCI1608F-39NJ-M	39±5%	100	18	12	300	0.60	1100
HCI1608F-47NJ-M	47±5%	100	17	12	300	0.70	900
HCI1608F-56NJ-M	56±5%	100	17	12	300	0.75	900
HCI1608F-68NJ-M	68±5%	100	18	12	300	0.85	700

HCI 1608 Series

(0603 inch -55~+105℃)

■ Specifications

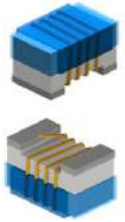
Part Number	Inductance		Q		Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
	(nH)	Test Frequency (MHz)	Normal Value	min.			
HCI1608F-82NJ-M	82±5%	100	18	12	300	0.95	600
HCI1608F-R10J-M	100±5%	100	18	12	300	1.00	600
HCI1608F-R12J-M	120±5%	50	16	8	300	1.20	500
HCI1608F-R15J-M	150±5%	50	13	8	300	1.20	500
HCI1608F-R18J-M	180±5%	50	13	8	300	1.30	400
HCI1608F-R22J-M	220±5%	50	12	8	300	1.50	400

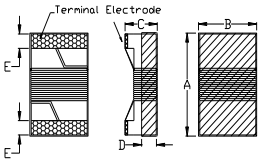
High Frequency Wire Wound Chip Inductors

SWI 0402F Series

(1005 inch -40~+125℃)

■ Dimensions





Dimensions	
A	1.09±0.10
B	0.60±0.10
C	0.56±0.10
D	0.25±0.15
E	0.23±0.10

Units: mm

■ Specifications

Part Number	Inductance (nH)	Tolerance	Q min.	Test Frequency (Hz)	Isat(mA) max.	Irms(mA) max.	DCR (Ω) max.	SRF (GHz) min.
SWI0402F-1N2□-HC	1.2	B, C S,J,K	10	0.2V/250M	640	640	0.140	10.40
SWI0402F-2N2□-HC	2.2	B, C S,J,K	19	0.2V/250M	960	960	0.070	10.80
SWI0402F-2N4□-HC	2.4	B, C S,J,K	15	0.2V/250M	790	790	0.068	10.50
SWI0402F-2N7□-HC	2.7	B,C,J.K	16	0.2V/250M	640	640	0.120	10.40
SWI0402F-3N3□-HC	3.3	B,C,J.K	19	0.2V/250M	840	840	0.066	7.00
SWI0402F-3N6□-HC	3.6	B,C,J.K	19	0.2V/250M	840	840	0.066	6.80
SWI0402F-3N9□-HC	3.9	B,C,J.K	19	0.2V/250M	840	840	0.066	6.00
SWI0402F-4N3□-HC	4.3	B,C,J.K	18	0.2V/250M	700	700	0.091	6.00
SWI0402F-4N7□-HC	4.7	B,C,J.K	15	0.2V/250M	640	640	0.130	4.77
SWI0402F-5N6□-HC	5.6	J.K	20	0.2V/250M	760	760	0.083	4.80
SWI0402F-6N2□-HC	6.2	J.K	20	0.2V/250M	760	760	0.083	4.80
SWI0402F-6N8□-HC	6.8	J.K	20	0.2V/250M	680	680	0.083	4.80
SWI0402F-7N5□-HC	7.5	J.K	22	0.2V/250M	680	680	0.100	4.80
SWI0402F-8N2□-HC	8.2	J.K	22	0.2V/250M	680	680	0.100	4.40
SWI0402F-8N7□-HC	8.7	J.K	18	0.2V/250M	480	480	0.200	4.10
SWI0402F-9N0□-HC	9.0	J.K	22	0.2V/250M	680	680	0.100	4.16
SWI0402F-9N5□-HC	9.5	J.K	18	0.2V/250M	480	480	0.200	4.00
SWI0402F-10N□-HC	10	J.K	21	0.2V/250M	480	480	0.200	3.90
SWI0402F-11N□-HC	11	J.K	24	0.2V/250M	640	640	0.120	3.68

Note:
□:TOLERANCE B=±0.1nH , C±0.2nH, S=±0.3nH , G=±2%, J=±5%, K=±10%

SWI 0402F Series

(1005 inch -40~+125℃)

■ Specifications

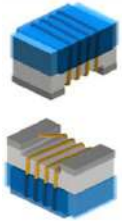
Part Number	Inductance (nH)	Tolerance	Q min.	Test Frequency (Hz)	Isat(mA) max.	Irms(mA) max.	DCR (Ω) max.	SRF (GHz) min.
SWI0402F-12N□-HC	12	J.K	24	0.2V/250M	640	640	0.120	3.60
SWI0402F-13N□-HC	13	J.K	24	0.2V/250M	440	440	0.210	3.45
SWI0402F-15N□-HC	15	J.K	24	0.2V/250M	560	560	0.170	3.28
SWI0402F-16N□-HC	16	J.K	24	0.2V/250M	560	560	0.220	3.10
SWI0402F-18N□-HC	18	J.K	25	0.2V/250M	420	420	0.230	3.10
SWI0402F-19N□-HC	19	J.K	24	0.2V/250M	480	480	0.200	3.04
SWI0402F-20N□-HC	20	J.K	25	0.2V/250M	420	420	0.250	3.00
SWI0402F-22N□-HC	22	J.K	25	0.2V/250M	400	400	0.300	2.80
SWI0402F-23N□-HC	23	J.K	22	0.2V/250M	400	400	0.300	2.72
SWI0402F-24N□-HC	24	J.K	25	0.2V/250M	400	400	0.300	2.70
SWI0402F-27N□-HC	27	J.K	24	0.2V/250M	400	400	0.300	2.48
SWI0402F-30N□-HC	30	G.J.K	25	0.2V/250M	400	400	0.350	2.35
SWI0402F-33N□-HC	33	G.J.K	24	0.2V/250M	400	400	0.400	2.35
SWI0402F-36N□-HC	36	G.J.K	24	0.2V/250M	320	320	0.440	2.32
SWI0402F-39N□-HC	39	G.J.K	25	0.2V/250M	200	200	0.550	2.10
SWI0402F-40N□-HC	40	G.J.K	24	0.2V/250M	320	320	0.650	2.24
SWI0402F-43N□-HC	43	G.J.K	25	0.2V/250M	100	100	0.810	2.03
SWI0402F-47N□-HC	47	G.J.K	25	0.2V/250M	150	150	0.830	2.10
SWI0402F-51N□-HC	51	G.J.K	25	0.2V/250M	100	100	0.820	1.75
SWI0402F-56N□-HC	56	G.J.K	22	0.2V/250M	100	100	0.970	1.76
SWI0402F-68N□-HC	68	G.J.K	22	0.2V/250M	100	100	1.120	1.62
SWI0402F-77N□-HC	77	J.K	22	0.2V/250M	50	50	1.800	1.26
SWI0402F-82N□-HC	82	J.K	22	0.2V/250M	50	50	1.550	1.26
SWI0402F-R10□-HC	100	J.K	22	0.2V/250M	30	30	2.000	1.16
SWI0402F-R12□-HC	120	J.K	22	0.2V/250M	50	50	2.400	1.00

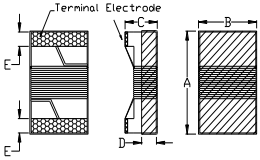
Note:
□:TOLERANCE B=±0.1nH , C±0.2nH, S=±0.3nH , G=±2%, J=±5%, K=±10%

SWI 0603F Series

(0603 inch -40~+125℃)

■ Dimensions





Dimensions	
A	1.80 max
B	1.20 max
C	1.20 max
D	0.38 ref
E	0.35±0.10

Units: mm

■ Specifications

Part Number	Inductance (nH)	Tolerance	Test Frequency (Hz)	Q @ 250MHz min.	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
SWI0603F-2N0□	2.0	C,S	0.1V/250M	13	700	0.07	8000
SWI0603F-3N9□	3.9	C,S	0.1V/250M	22	700	0.07	6900
SWI0603F-4N7□	4.7	C,K	0.1V/250M	20	700	0.12	5800
SWI0603F-6N8□	6.8	C,J,K	0.1V/250M	27	700	0.08	5800
SWI0603F-8N2□	8.2	C,J,K	0.1V/250M	30	700	0.13	4200
SWI0603F-10N□	10	J,K	0.1V/250M	31	700	0.13	4800
SWI0603F-12N□	12	J,K	0.1V/250M	35	700	0.13	4000
SWI0603F-15N□	15	J,K	0.1V/250M	35	700	0.13	4000
SWI0603F-18N□	18	J,K	0.1V/250M	35	700	0.16	3100
SWI0603F-22N□	22	J,K	0.1V/250M	38	700	0.23	3000
SWI0603F-24N□	24	J,K	0.1V/250M	38	700	0.13	2800
SWI0603F-27N□	27	J,K	0.1V/250M	40	600	0.14	2800
SWI0603F-33N□	33	J,K	0.1V/250M	40	600	0.22	2300
SWI0603F-39N□	39	J.K	0.1V/250M	40	600	0.30	2200
SWI0603F-47N□	47	J,K	0.1V/200M	38	600	0.35	2000
SWI0603F-56N□	56	J,K	0.1V/200M	38	600	0.37	1900
SWI0603F-68N□	68	J,K	0.1V/200M	37	600	0.43	1700
SWI0603F-72N□	72	J,K	0.1V/150M	34	400	0.42	1700
SWI0603F-82N□	82	J,K	0.1V/150M	34	400	0.71	1700

NOTE: □:TOLERANCE C±0.2nH,S=±0.3nH , J=±5%, K=±10%

SWI 0603F Series

(0603 inch -40~+125℃)

■ Specifications

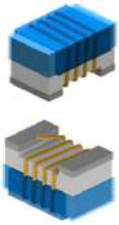
Part Number	Inductance (nH)	Tolerance	Test Frequency (Hz)	Q @ 250MHz Min.	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
SWI0603F-R10□	100	J,K	0.1V/150M	34	400	0.78	1400
SWI0603F-R12□	120	J,K	0.1V/150M	32	300	0.84	1300
SWI0603F-R15□	150	J,K	0.1V/150M	28	280	0.96	990
SWI0603F-R18□	180	J,K	0.1V/100M	25	240	1.52	990
SWI0603F-R22□	220	J,K	0.1V/100M	25	200	2.02	900
SWI0603F-R27□	270	J,K	0.1V/100M	24	170	2.36	900
SWI0603F-R33□	330	J,K	0.1V/100M	24	185	3.40	700
SWI0603F-R39□	390	J,K	0.1V/100M	24	100	3.60	900

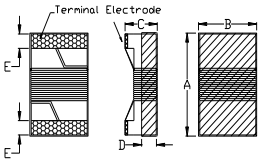
NOTE: □:TOLERANCE C±0.2nH,S=±0.3nH , J=±5%, K=±10%

SWI 0805UF Series

(0805 inch -40~+125℃)

■ Dimensions





Dimensions	
A	2.29 max.
B	1.73 max.
C	1.52 max.
D	0.51 ref
E	0.44±0.10

Units: mm

■ Specifications

Part Number	Inductance (nH)	Tolerance	Test Frequency (Hz)	Q @Test Freq min.	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
SWI0805UF-2N8□	2.8	C,S	0.1V/250M	80/1500	800	0.06	7900
SWI0805UF-3N0□	3.0	C,S	0.1V/250M	65/1500	800	0.06	7900
SWI0805UF-3N3□	3.3	C,S	0.1V/250M	50/1500	600	0.08	7900
SWI0805UF-5N6□	5.6	C,S	0.1V/250M	65/1000	600	0.08	5500
SWI0805UF-6N8□	6.8	C,J	0.1V/250M	50/1000	600	0.11	5500
SWI0805UF-7N5□	7.5	C,J	0.1V/250M	50/1000	600	0.14	4500
SWI0805UF-8N2□	8.2	C,J	0.1V/250M	50/1000	600	0.12	4700
SWI0805UF-10N□	10	G,J	0.1V/250M	60/500	600	0.10	4200
SWI0805UF-12N□	12	G,J	0.1V/250M	50/500	600	0.15	4000
SWI0805UF-15N□	15	G,J	0.1V/250M	50/500	600	0.17	3400
SWI0805UF-18N□	18	G,J	0.1V/250M	50/500	600	0.20	3300
SWI0805UF-22N□	22	G,J	0.1V/250M	55/500	500	0.22	2600
SWI0805UF-24N□	24	G,J	0.1V/250M	50/500	500	0.22	2000
SWI0805UF-27N□	27	G,J	0.1V/250M	55/500	500	0.25	2500
SWI0805UF-33N□	33	G,J	0.1V/250M	60/500	500	0.27	2050
SWI0805UF-36N□	36	G,J	0.1V/250M	55/500	500	0.27	1700
SWI0805UF-39N□	39	G,J	0.1V/250M	60/500	500	0.29	2000
SWI0805UF-43N□	43	G,J	0.1V/200M	60/500	500	0.34	1650
SWI0805UF-47N□	47	G,J	0.1V/200M	60/500	500	0.31	1650

NOTE: □:TOLERANCE C=±0.2nH , S=±0.3nH, J=±5% ,K=±10%

SWI 0805UF Series

(0805 inch -40~+125℃)

■ Specifications

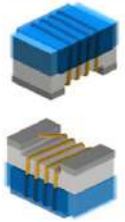
Part Number	Inductance (nH)	Tolerance	Test Frequency (Hz)	Q @ Test Freq min.	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
SWI0805UF-56N□	56	G,J	0.1V/200M	60/500	500	0.34	1550
SWI0805UF-68N□	68	G,J	0.1V/200M	60/500	500	0.38	1450
SWI0805UF-82N□	82	G,J	0.1V/150M	65/500	400	0.42	1300
SWI0805UF-91N□	91	G,J	0.1V/150M	65/500	400	0.48	1200
SWI0805UF-R10□	100	G,J	0.1V/150M	65/500	400	0.46	1200
SWI0805UF-R11□	110	G,J	0.1V/150M	50/250	400	0.48	1000
SWI0805UF-R12□	120	G,J	0.1V/150M	50/250	400	0.51	1100
SWI0805UF-R15□	150	G,J	0.1V/100M	50/250	400	0.56	920
SWI0805UF-R18□	180	G,J	0.1V/100M	50/250	400	0.64	870
SWI0805UF-R20□	200	G,J	0.1V/100M	50/250	400	0.68	860
SWI0805UF-R22□	220	G,J	0.1V/100M	50/250	400	0.70	850
SWI0805UF-R24□	240	G,J	0.1V/100M	44/250	350	1.00	690
SWI0805UF-R25□	250	G,J	0.1V/100M	45/250	350	1.20	660
SWI0805UF-R27□	270	G,J	0.1V/100M	48/250	350	1.00	650
SWI0805UF-R33□	330	G,J	0.1V/100M	48/250	310	1.40	600
SWI0805UF-R39□	390	G,J	0.1V/100M	48/250	290	1.50	560
SWI0805UF-R47□	470	G,J	0.1V/50M	33/100	250	1.70	375
SWI0805UF-R56□	560	G,J	0.1V/25M	23/50	230	1.90	340
SWI0805UF-R62□	620	G,J	0.1V/25M	23/50	210	2.20	220
SWI0805UF-R68□	680	G,J	0.1V/25M	23/50	190	2.20	188
SWI0805UF-R82□	820	G,J	0.1V/25M	23/50	180	2.35	215
SWI0805UF-1R0□	1000	G,J	0.1V/25M	15/50	170	2.50	100
SWI0805UF-1R2□	1200	G,J	0.1V/7.9M	18/25	170	2.50	100

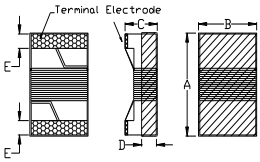
NOTE: □:TOLERANCE C=±0.2nH , S=±0.3nH, J=±5% ,K=±10%

SWI 1008UF Series

(1008 inch -40~+125℃)

■ Dimensions





Dimensions	
A	2.92 max
B	2.79 max
C	2.20 max
D	1.20 ref
E	0.55±0.10

Units: mm

■ Specifications

Part Number	Inductance (nH)	Tolerance	Test Frequency (Hz)	Q @Test Freq min.	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
SWI1008UF-10N□	10	G, J, K	0.1V/50M	50/500	1000	0.08	4100
SWI1008UF-12N□	12	G, J, K	0.1V/50M	50/500	1000	0.09	3300
SWI1008UF-15N□	15	G, J, K	0.1V/50M	50/500	1000	0.18	2500
SWI1008UF-18N□	18	G, J, K	0.1V/50M	50/350	1000	0.11	2500
SWI1008UF-22N□	22	G, J, K	0.1V/50M	55/350	1000	0.12	2400
SWI1008UF-27N□	27	G, J, K	0.1V/50M	55/350	1000	0.13	1600
SWI1008UF-33N□	33	G, J, K	0.1V/50M	60/350	1000	0.14	1600
SWI1008UF-39N□	39	G, J, K	0.1V/50M	60/350	1000	0.15	1500
SWI1008UF-47N□	47	G, J, K	0.1V/50M	65/350	1000	0.16	1500
SWI1008UF-56N□	56	G, J,K	0.1V/50M	65/350	1000	0.18	1300
SWI1008UF-68N□	68	G, J,K	0.1V/50M	65/350	1000	0.20	1300
SWI1008UF-82N□	82	G, J,K	0.1V/50M	60/350	1000	0.22	1000
SWI1008UF-R10□	100	G, J,K	0.1V/25M	60/350	650	0.56	1000
SWI1008UF-R12□	120	G, J,K	0.1V/25M	60/350	650	0.63	950
SWI1008UF-R15□	150	G, J,K	0.1V/25M	45/100	580	0.70	850
SWI1008UF-R18□	180	G, J,K	0.1V/25M	45/100	620	0.77	750
SWI1008UF-R22□	220	G, J,K	0.1V/25M	45/100	500	0.84	700
SWI1008UF-R27□	270	G, J,K	0.1V/25M	45/100	500	0.91	600
SWI1008UF-R33□	330	G, J,K	0.1V/25M	45/100	450	1.05	570

NOTE: □:TOLERANCE G=±2%, J=±5%, K=±10%

SWI 1008UF Series

(0805 inch -40~+125℃)

■ Specifications

Part Number	Inductance (nH)	Tolerance	Test Frequency (Hz)	Q @Test Freq min.	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
SWI1008UF-R39□	390	G, J,K	0.1V/25M	45/100	470	1.12	500
SWI1008UF-R47□	470	G, J,K	0.1V/25M	45/100	470	1.19	450
SWI1008UF-R56□	560	G, J,K	0.1V/25M	45/100	400	1.33	415
SWI1008UF-R62□	620	G, J,K	0.1V/25M	45/100	300	1.40	375
SWI1008UF-R68□	680	G, J,K	0.1V/25M	45/100	400	1.47	375
SWI1008UF-R75□	750	G, J,K	0.1V/25M	45/100	360	1.54	360
SWI1008UF-R82□	820	G, J,K	0.1V/25M	45/100	400	1.61	350
SWI1008UF-R91□	910	G, J,K	0.1V/25M	35/50	380	1.68	320
SWI1008UF-1R0□	1000	G, J,K	0.1V/25M	35/50	370	1.75	290
SWI1008UF-1R2□	1200	G, J,K	0.1V/7.9M	35/50	310	2.00	250
SWI1008UF-1R5□	1500	G, J,K	0.1V/7.9M	28/50	330	2.23	200
SWI1008UF-1R8□	1800	G, J,K	0.1V/7.9M	28/50	300	2.60	160
SWI1008UF-2R2□	2200	G, J,K	0.1V/7.9M	28/50	280	2.80	160
SWI1008UF-2R7□	2700	G, J,K	0.1V/7.9M	22/25	290	3.20	140
SWI1008UF-3R3□	3300	G, J,K	0.1V/7.9M	22/25	290	3.40	110
SWI1008UF-3R9□	3900	G, J,K	0.1V/7.9M	20/25	260	3.60	100
SWI1008UF-4R7□	4700	G, J,K	0.1V/7.9M	18/7.9	200	4.00	32
SWI1008UF-5R6□	5600	G, J,K	0.1V/7.9M	18/7.9	200	4.00	25
SWI1008UF-6R8□	6800	G, J,K	0.1V/7.9M	18/7.9	200	4.90	21
SWI1008UF-8R2□	8200	G, J,K	0.1V/7.9M	16/7.9	170	6.00	16
SWI1008UF-100□	10000	G, J,K	0.1V/2.52M	15/7.9	170	8.00	14

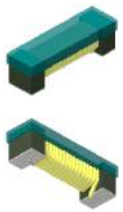
NOTE: □:TOLERANCE G=±2%, J=±5%, K=±10%

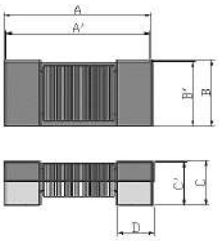
Transponder Inductors

PAS 4420F Series

(1808 inch -40~+125℃)

■ Dimensions





Dimensions	
A	4.75±0.20
A'	4.40±0.20
B	2.25±0.20
B'	2.00±0.20
C	1.80±0.30
C'	1.80±0.20
D	0.80 ref

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance	fL0 (kHz)	SRF MHz(min)	RDC (Ω)Max.	Rated current (mA) max.
PAS4420F-301□-F10	300	K,M	10	2.0	14	70
PAS4420F-401□-F10	400	K,M	10	1.5	17	50
PAS4420F-252□-F10	2500	K,M	10	1.0	82	40
PAS4420F-352□-F10	3500	K,M	10	1.0	85	20

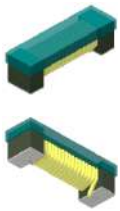
NOTE: □:TOLERANCE K=±10%, M=±20%

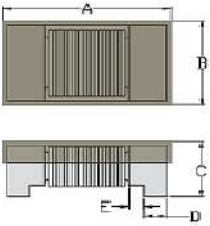
Transponder Inductors

PAS 6420F Series

(2508 inch - 40~+125℃)

■ Dimensions





Dimensions	
A	6.40±0.30
B	2.30±0.20
C	1.80±0.20
D	0.90 ref
E	0.50 ref

Units: mm

■ Specifications

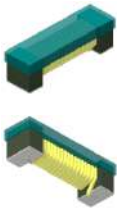
Part Number	Inductance (uH)	fL0 (kHz)	SRF KHz(min)	RDC (Ω)Max.	Rated current (mA)Max.
PAS6420F-522J	5200±5%	125	520	113	30
PAS6420F-622J	6200±5%	125	488	123	30
PAS6420F-702J	7000±5%	125	420	125	20
PAS6420F-722K	7200±10%	125	450	130	15

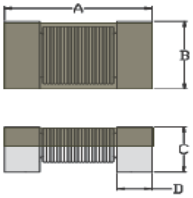
Transponder Inductors

PAS 8027F Series

(3211 inch -40~+125℃)

■ Dimensions





Dimensions	
A	7.85max
B	2.70max
C	2.70max
D	1.15 ref

Units: mm

■ Specifications

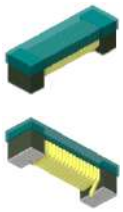
Part Number	Inductance (mH) ±5%	Test Frequency (Hz)	Q Typ.	RDC (Ω)Max.	Rated current (mA)Max.
PAS8027F-452J	4.5	125K	30	80	20
PAS8027F-492J	4.9	125K	30	85	20
PAS8027F-722J	7.2	125K	35	105	20
PAS8027F-193J	18.52	125K	35	240	20

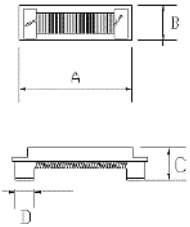
Transponder Inductors

PAS 1225F Series

(4814 inch -40~+125℃)

■ Dimensions





Dimensions	
A	11.60±0.30
B	3.80±0.30
C	2.50±0.30
D	1.50 ref

Units: mm

■ Specifications

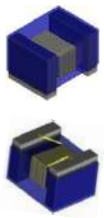
Part Number	Inductance (uH)	Test Frequency (Hz)	Q min.	RDC (Ω)max.	Rated current (mA) max.	SRF (MHz) min.
PAS1225F-101K	100±10%	0.1V/125K	20	3	300	20.00
PAS1225F-232M	2300±20%	0.1V/125K	40	40	50	0.48
PAS1225F-492J	4900±5%	0.1V/125K	20	50	50	0.34
PAS1225F-722J	7200±5%	0.1V/125K	40	40	50	0.30

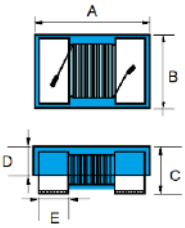
Transponder Inductors

PASU 3225V Series

(1210 inch -55~+125℃)

■ Dimensions





Dimensions	
A	3.20±0.30
B	2.50±0.30
C	2.20±0.30
D	1.80 ref
E	0.65±0.10

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q min.	Test Frequency (Hz)	SRF (MHz)Typ.	RDC (Ω)Max.	IDC (mA) max.
PASU3225V-102□	1080	J,K,M	0.1V/125K	15	125K	2.0	35	50
PASU3225V-132□	1340	J,K,M	0.1V/125K	15	125K	2.0	42	50

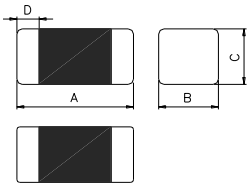
NOTE: □:TOLERANCE J=±5%, K=±10%, M=±20%

Multilayer Chip Power Inductors

CPI160809 Series

(0603 inch -55~+105℃)

■ Dimensions



Dimensions	
A	1.60±0.15
B	0.80±0.15
C	0.95 max
D	0.30±0.20

Units: mm

■ Specifications

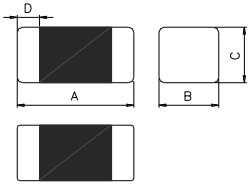
Part Number	Inductance (uH)	Test Frequency (Hz)	Rated Current (mA) max.	DC Resistance(Ω)	
				max.	typ.
CPI160809UF-R33M-0A3	0.33±20%	1M / 60mV	350	0.35	0.27
CPI160809UF-R50M-0A9	0.50±20%	1M / 60mV	900	0.15	0.12
CPI160809UF-1R0M-0A7	1.00±20%	1M / 60mV	750	0.20	0.17
CPI160809UF-2R2M-0A6	2.20±20%	1M / 60mV	650	0.30	0.27

Multilayer Chip Power Inductors

CPI 201210 Series

(0805 inch -55~+105℃)

■ Dimensions



Dimensions	
A	2.00±0.20
B	1.25±0.20
C	1.00 max
D	0.50±0.30

Units: mm

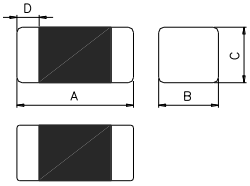
■ Specifications

Part Number	Inductance (uH)	Test Frequency (Hz)	Rated Current (mA) max.	DC Resistance(Ω)	
				max.	typ.
CPI201210UF-R47M-1A2	0.47±20%	1M / 60mV	1200	0.08	0.06
CPI201210UF-1R0M-1A0	1.00±20%	1M / 60mV	1000	0.14	0.11
CPI201210UF-1R5M-0A8	1.50±20%	1M / 60mV	800	0.20	0.15
CPI201210UF-2R2M-0A8	2.20±20%	1M / 60mV	800	0.20	0.15
CPI201210UF-3R3M-0A7	3.30±20%	1M / 60mV	700	0.24	0.20
CPI201210UF-4R7M-0A7	4.70±20%	1M / 60mV	700	0.28	0.23

CPI 201610 Series

(0806 inch -55~+105℃)

■ Dimensions



Dimensions	
A	2.00±0.20
B	1.60±0.20
C	1.00 max
D	0.50±0.30

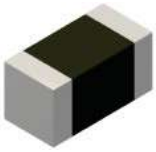
Units: mm

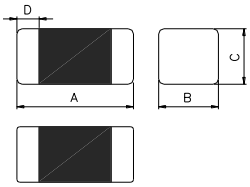
■ Specifications

Part Number	Inductance (uH)	Test Frequency (Hz)	Rated Current (mA) max.	DC Resistance(Ω)	
				max.	typ.
CPI201610UF-R47M-1A6	0.47±20%	1M / 60mV	1600	0.075	0.06
CPI201610UF-1R0M-1A3	1.00±20%	1M / 60mV	1300	0.12	0.09
CPI201610UF-1R5M-1A2	1.50±20%	1M / 60mV	1200	0.13	0.10
CPI201610UF-2R2M-1A2	2.20±20%	1M / 60mV	1200	0.14	0.11
CPI201610UF-3R3M-1A1	3.30±20%	1M / 60mV	1100	0.16	0.13
CPI201610UF-4R7M-0A9	4.70±20%	1M / 60mV	900	0.20	0.16

FCH 160808SF Series (0603 inch -55~+105℃)

■ Dimensions





Dimensions	
A	1.60±0.15
B	0.80±0.15
C	0.95 max
D	0.30±0.20

Units: mm

■ Specifications

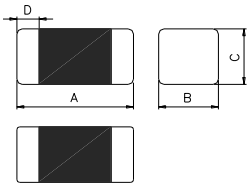
Part Number	Inductance (uH)	Test Frequency (Hz)	Rated Current (mA) max.	DCR (Ω) max.
FCH160808SF-1R0M	1.00±20%	1M/60mV	1700	0.08
FCH160808SF-2R2M	2.20±20%	1M/60mV	1300	0.13
FCH160808SF-4R7M	4.70±20%	1M/60mV	1000	0.20

Irms:DC current that causes temperature rise(ΔT 40℃) from 25℃ ambient.

MPI160809M Series

(0603 inch -55~+105℃)

■ Dimensions



Dimensions	
A	1.60±0.15
B	0.80±0.15
C	0.95 max
D	0.30±0.20

Units: mm

■ Specifications

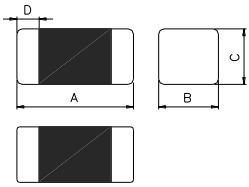
Part Number	Inductance (uH)	Test Frequency (Hz)	Rated Current (mA) max.	DC Resistance(Ω)	
				max.	typ.
MPI160809MF-1R0M-1A0	1.00±20%	1M / 60mV	1000	0.23	0.18
MPI160809MF-1R5M-0A8	1.50±20%	1M / 60mV	800	0.28	0.22
MPI160809MF-2R2M-0A7	2.20±20%	1M / 60mV	700	0.39	0.30
MPI160809MF-4R7M-0A5	4.70±20%	1M / 60mV	500	0.65	0.50

● Irms: DC current that causes temperature rise(ΔT 40℃) from 25℃ ambient.

MPI160809S Series

(0603 inch -55~+105℃)

■ Dimensions



Dimensions	
A	1.60±0.15
B	0.80±0.15
C	0.95 max
D	0.30±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Test Frequency (Hz)	Rated Current (mA) max.	DC Resistance(Ω)	
				max.	typ.
MPI160809SF-1R0M-0A9	1.00±20%	1M / 60mV	950	0.26	0.20
MPI160809SF-2R2M-0A7	2.20±20%	1M / 60mV	750	0.52	0.40
MPI160809SF-4R7M-0A3	4.70±20%	1M / 60mV	350	0.78	0.60

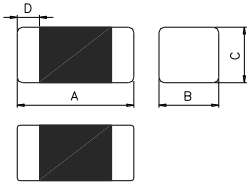
● Irms: DC current that causes temperature rise(ΔT 40℃) from 25℃ ambient.

Multilayer Chip Power Inductors

MPI 201210M Series

(0805 inch -55~+105℃)

■ Dimensions



Dimensions	
A	2.00±0.20
B	1.25±0.20
C	1.00 max
D	0.50±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Test Frequency (Hz)	Rated Current (mA) max.	DC Resistance(Ω)	
				max.	typ.
MPI201210MF-1R0M-1A4	1.00±20%	1M / 60mV	1400	0.19	0.15
MPI201210MF-1R5M-1A3	1.50±20%	1M / 60mV	1300	0.20	0.16
MPI201210MF-2R2M-1A2	2.20±20%	1M / 60mV	1200	0.26	0.20
MPI201210MF-4R7M-1A0	4.70±20%	1M / 60mV	1000	0.32	0.25

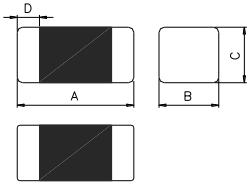
● Irms: DC current that causes temperature rise(ΔT 40℃) from 25℃ ambient.

Multilayer Chip Power Inductors

MPI 201210S Series

(0805 inch -55~+105℃)

■ Dimensions



Dimensions	
A	2.00±0.20
B	1.25±0.20
C	1.00 max
D	0.50±0.30

Units: mm

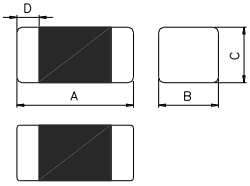
■ Specifications

Part Number	Inductance (uH)	Test Frequency (Hz)	Rated Current (mA) max.	DC Resistance(Ω)	
				max.	typ.
MPI201210SF-1R0M-1A0	1.00±20%	1M / 60mV	1000	0.26	0.20
MPI201210SF-2R2M-0A9	2.20±20%	1M / 60mV	900	0.36	0.28
MPI201210SF-4R7M-0A8	4.70±20%	1M / 60mV	800	0.39	0.30

● Irms: DC current that causes temperature rise(ΔT 40℃) from 25℃ ambient.

MPI 201610M Series (0806 inch -55~+105℃)

■ Dimensions



Dimensions	
A	2.00±0.20
B	1.60±0.20
C	1.00 max
D	0.50±0.30

Units: mm

■ Specifications

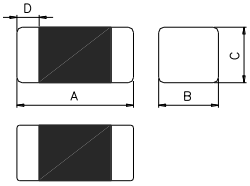
Part Number	Inductance (uH)	Test Frequency (Hz)	Rated Current (mA) max.	DC Resistance(Ω)	
				max.	typ.
MPI201610MF-1R0M-1A4	1.00±20%	1M / 60mV	1400	0.14	0.11
MPI201610MF-1R5M-1A2	1.50±20%	1M / 60mV	1200	0.19	0.15
MPI201610MF-2R2M-1A2	2.20±20%	1M / 60mV	1200	0.26	0.20
MPI201610MF-4R7M-1A1	4.70±20%	1M / 60mV	1100	0.45	0.35

● Irms: DC current that causes temperature rise(ΔT 40℃) from 25℃ ambient.

MPI 201610S Series

(0806 inch -55~+105℃)

■ Dimensions



Dimensions	
A	2.00±0.20
B	1.60±0.20
C	1.00 max
D	0.50±0.30

Units: mm

■ Specifications

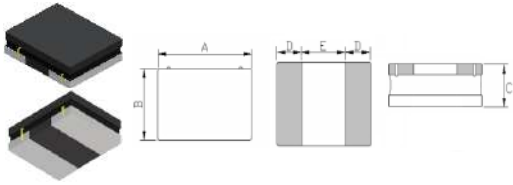
Part Number	Inductance (uH)	Test Frequency (Hz)	Rated Current (mA) max.	DC Resistance(Ω)	
				max.	typ.
MPI201610SF-1R0M-1A1	1.00±20%	1M / 60mV	1100	0.18	0.14
MPI201610SF-2R2M-0A8	2.20±20%	1M / 60mV	850	0.28	0.22

● Irms: DC current that causes temperature rise(ΔT 40℃) from 25℃ ambient.

Sealed Type High Current Power Inductors

DFP201612NF Series (0706 inch -40~+125℃)

■ Dimensions



Dimensions	
A	2.00-0.1/+0.2
B	1.60-0.1/+0.2
C	1.20Max
D	0.60ref
E	0.80ref

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
DFP201612NF-R24M	0.24	±20	0.1V/1M	25	33	5.40	4.80	4.00	3.50
DFP201612NF-R33M	0.33	±20	0.1V/1M	27	34	4.70	3.90	3.90	3.20
DFP201612NF-R47M	0.47	±20	0.1V/1M	35	46	3.90	3.50	3.30	2.90
DFP201612NF-R56M	0.56	±20	0.1V/1M	53	0.064	3.50	3.00	3.00	2.60
DFP201612NF-R68M	0.68	±20	0.1V/1M	55	66	3.30	2.80	3.00	2.60
DFP201612NF-1R0M	1.00	±20	0.1V/1M	80	104	3.00	2.50	2.70	2.30
DFP201612NF-1R2M	1.20	±20	0.1V/1M	88	106	3.00	2.50	2.70	2.30
DFP201612NF-1R5M	1.50	±20	0.1V/1M	90	108	2.50	2.00	2.10	1.80
DFP201612NF-2R2M	2.20	±20	0.1V/1M	155	186	2.00	1.60	1.50	1.30

Note:

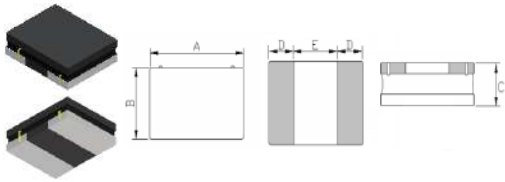
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type High Current Power Inductors

DFP252010BF Series (0907 inch -40~+125℃)

■ Dimensions



Dimensions	
A	2.50-0.1/+0.2
B	2.00-0.1/+0.2
C	1.00Max
D	0.85ref
E	0.80ref

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
DFP252010BF-R24M	0.24	±20	0.1V/1M	30	42	4.80	4.30	3.60	3.10
DFP252010BF-R33M	0.33	±20	0.1V/1M	32	44	4.30	3.80	3.50	3.00
DFP252010BF-R47M	0.47	±20	0.1V/1M	34	46	4.00	3.30	3.40	2.90
DFP252010BF-R68M	0.68	±20	0.1V/1M	46	55	3.70	2.90	3.30	2.80
DFP252010BF-1R0M	1.00	±20	0.1V/1M	60	80	3.40	2.70	2.60	2.2
DFP252010BF-1R5M	1.50	±20	0.1V/1M	90	108	2.70	2.10	2.30	1.90
DFP252010BF-2R2M	2.20	±20	0.1V/1M	130	169	2.40	1.90	1.80	1.50

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

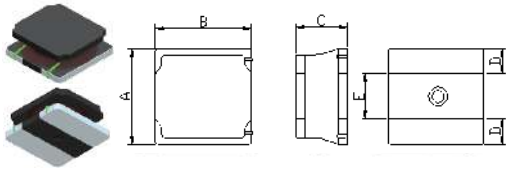
2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type High Current Power Inductors

DFP3010EF Series

(1111 inch -40~+125℃)

■ Dimensions



Dimensions	
A	3.00±0.20
B	3.00±0.20
C	1.00Max
D	1.00ref
E	1.00ref

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I rms (A) typ.
DFP3010EF-R47M	0.47	±20	1V/1M	38	45	5.40	4.10
DFP3010EF-1R0M	1.00	±20	1V/1M	78	90	3.80	2.40
DFP3010EF-1R5M	1.50	±20	1V/1M	95	110	3.10	2.10
DFP3010EF-2R2M	2.20	±20	1V/1M	130	144	2.30	2.00
DFP3010EF -3R3M	3.30	±20	1V/1M	200	230	2.10	1.30
DFP3010EF-4R7M	4.70	±20	1V/1M	300	330	1.70	1.20
DFP3010EF-6R8M	6.80	±20	1V/1M	435	470	1.30	1.10
DFP3010EF-100M	10.0	±20	1V/1M	540	575	1.10	0.90

Note:

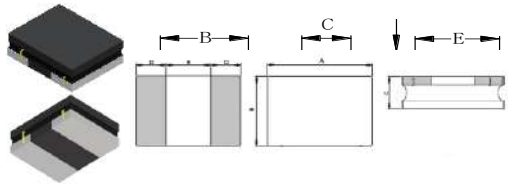
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type High Current Power Inductors

DFP322510BF Series (1209 inch -40~+125℃)

■ Dimensions



Dimensions	
A	3.20±0.20
B	2.50±0.20
C	1.00Max
D	1.00±0.20
E	1.30±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
DFP322510BF-R47M	0.47	±20	1V/1M	28	34	5.00	4.00	4.00	3.50
DFP322510BF-R68M	0.68	±20	1V/1M	38	45	4.10	3.60	3.50	3.00
DFP322510BF-1R0M	1.00	±20	1V/1M	55	65	3.60	3.20	2.80	2.50
DFP322510BF-1R5M	1.50	±20	1V/1M	72	86	2.80	2.60	2.30	2.10
DFP322510BF-2R2M	2.20	±20	1V/1M	98	118	2.40	2.20	1.70	1.50
DFP322510BF-3R3M	3.30	±20	1V/1M	160	190	2.00	1.80	1.50	1.30
DFP322510BF-4R7M	4.70	±20	1V/1M	220	264	1.70	1.50	1.40	1.20
DFP322510BF-6R8M	6.80	±20	1V/1M	330	396	1.35	1.25	1.10	1.00
DFP322510BF-100M	10.0	±20	1V/1M	500	600	1.20	1.10	0.90	0.80

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

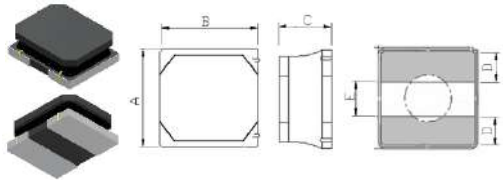
2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type High Current Power Inductors

DFP4010EF Series

(1515 inch -40~+125℃)

■ Dimensions



Dimensions	
A	4.00±0.20
B	4.00±0.20
C	1.00Max
D	1.20ref
E	1.60ref

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I rms (A) typ.
DFP4010EF-R47M	0.47	±20	1V/100K	37	43	4.30	3.50
DFP4010EF-R68M	0.68	±20	1V/100K	44	53	3.70	3.00
DFP4010EF-1R0M	1.00	±20	1V/100K	55	65	3.30	2.40
DFP4010EF-1R5M	1.50	±20	1V/100K	78	90	2.80	2.30
DFP4010EF-2R2M	2.20	±20	1V/100K	80	95	2.30	2.00
DFP4010EF-3R3M	3.30	±20	1V/100K	95	110	1.60	1.80
DFP4010EF-4R7M	4.70	±20	1V/100K	135	150	1.40	1.60
DFP4010EF-6R8M	6.80	±20	1V/100K	200	220	1.20	1.30
DFP4010EF-100M	10.0	±20	1V/100K	290	320	1.00	1.10

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

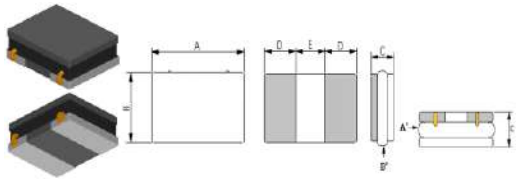
2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type High Current Power Inductors

UHP160808TF Series

(0603 inch -40~+125℃)

■ Dimensions



Dimensions	
A	1.60±0.15
A'	1.80Max
B	0.90±0.15
B'	1.10Max
C	0.80Max
D	0.50ref
E	0.60ref

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) max.	I sat (A) typ.	I rms (A) typ.
UHP160808TF-1R0M	1.00	±20	1V/1M	150	0.80	1.15
UHP160808TF-2R2M	2.20	±20	1V/1M	345	0.52	0.75
UHP160808TF-4R7M	4.70	±20	1V/1M	750	0.37	0.50
UHP160808TF-100M	10.0	±20	1V/1M	1760	0.21	0.30

Note:

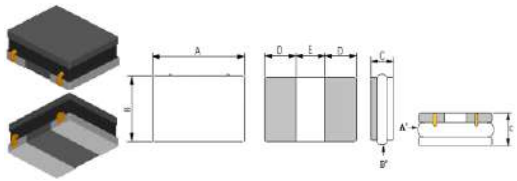
1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type High Current Power Inductors

UHP201208TF Series

(0704 inch -40~+125℃)

■ Dimensions



Dimensions	
A	2.00±0.20
A'	2.30Max
B	1.20±0.20
B'	1.50Max
C	0.80Max
D	0.70ref
E	0.60ref

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) max.	I sat (A) typ.	I rms (A) typ.
UHP201208TF-1R0M	1.00	±20	1V/1M	120	1.20	1.50
UHP201208TF-2R2M	2.20	±20	1V/1M	295	0.86	0.90
UHP201208TF-4R7M	4.70	±20	1V/1M	600	0.60	0.60
UHP201208TF-100M	10.0	±20	1V/1M	1320	0.35	0.38

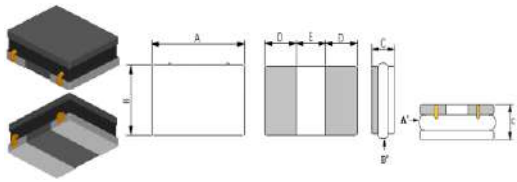
Note:

1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type High Current Power Inductors

UHP201210RF Series (0603 inch -40~+125℃)

■ Dimensions



Dimensions	
A	2.00±0.20
A'	2.34Max
B	1.20±0.20
B'	1.50Max
C	1.00Max
D	0.70ref
E	0.60ref

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±20%	I sat (A) typ.	I rms (A) typ.
UHP201210RF-1R0M	1.00	±20	0.5V/7.9M	62	1.10	2.10
UHP201210RF-2R2M	2.20	±20	0.5V/7.9M	150	0.75	1.40
UHP201210RF-4R7M	4.70	±20	0.5V/7.9M	320	0.47	1.00
UHP201210RF-100M	10.0	±20	0.5V/2.5M	590	0.32	0.60

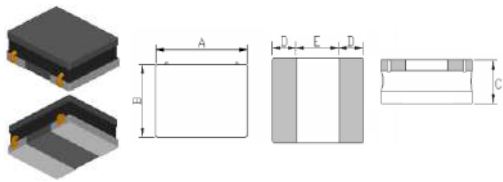
Note:

1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type High Current Power Inductors

UHP201610NF Series (0706 inch -40~+125℃)

■ Dimensions



Dimensions	
A	2.00-0.10/+0.20
B	1.60-0.10/+0.20
C	1.00Max
D	0.60ref
E	0.80ref

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±20%	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
UHP201610NF-R47Y	0.47	±30	0.1V/1M	44	3.00	2.70	2.60	2.35
UHP201610NF-R68Y	0.68	±30	0.1V/1M	62	2.45	2.00	2.25	2.05
UHP201610NF-1R0Y	1.00	±30	0.1V/1M	80	1.95	1.80	1.75	1.60
UHP201610NF-1R5Y	1.50	±30	0.1V/1M	130	1.65	1.46	1.40	1.26
UHP201610NF-2R2M	2.20	±20	0.1V/1M	145	1.45	1.26	1.35	1.20
UHP201610NF-3R3M	3.30	±20	0.1V/1M	245	1.05	0.90	1.05	0.95
UHP201610NF-4R7M	4.70	±20	0.1V/1M	360	0.85	0.77	1.00	0.90
UHP201610NF-6R8M	6.80	±20	0.1V/1M	500	0.80	0.72	0.70	0.55
UHP201610NF-100M	10.0	±20	0.1V/1M	720	0.62	0.55	0.50	0.45
UHP201610NF-150M	15.0	±20	0.1V/1M	1400	0.50	0.45	0.40	0.36
UHP201610NF-180M	18.0	±20	0.1V/1M	1800	0.45	0.40	0.38	0.34
UHP201610NF-220M	22.0	±20	0.1V/1M	2000	0.43	0.38	0.30	0.27

Note:

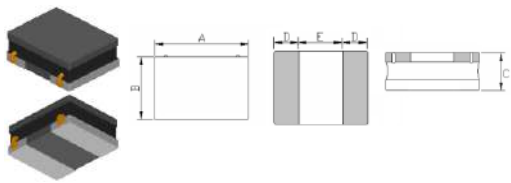
1.eat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type High Current Power Inductors

UHP252012BF Series (0907 inch -40~+125℃)

■ Dimensions



Dimensions	
A	2.50-0.10/+0.20
B	2.00-0.10/+.20
C	1.20max
D	0.85ref
E	0.80ref

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±20%	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
UHP252012BF-R47Y	0.47	±20	0.1V/1M	28	4.00	3.60	3.70	3.35
UHP252012BF-R68Y	0.68	±20	0.1V/1M	36	3.00	2.70	3.30	3.00
UHP252012BF-1R0Y	1.00	±20	0.1V/1M	49	2.70	2.45	2.60	2.30
UHP252012BF-1R2Y	1.20	±20	0.1V/1M	63	2.50	2.20	2.30	2.10
UHP252012BF-1R5Y	1.50	±20	0.1V/1M	63	2.30	2.05	2.20	1.95
UHP252012BF-2R2M	2.20	±20	0.1V/1M	80	2.15	1.95	1.85	1.65
UHP252012BF-3R3M	3.30	±20	0.1V/1M	120	1.70	1.50	1.45	1.30
UHP252012BF-4R7M	4.70	±20	0.1V/1M	176	1.50	1.35	1.20	1.05
UHP252012BF-5R6M	5.60	±20	0.1V/1M	24	1.30	1.15	1.10	1.00
UHP252012BF-6R8M	6.80	±20	0.1V/1M	250	1.15	1.00	1.00	0.90
UHP252012BF-100M	10.0	±20	0.1V/1M	410	0.85	0.75	0.75	0.65
UHP252012BF-150M	15.0	±20	0.1V/1M	540	0.63	0.56	0.60	0.54
UHP252012BF-220M	22.0	±20	0.1V/1M	850	0.56	0.50	0.50	0.45

Note:

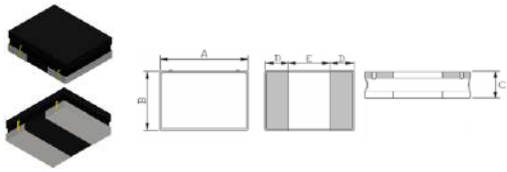
1.eat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

AHP201608RA Series (0706 inch -40~+125℃)

■ Dimensions



Dimensions	
A	2.00-0.10/+0.20
B	1.60-0.10/+0.20
C	0.80Mx
D	0.50ref
E	1.00ref

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
AHP201608RA-R24M	0.24	±20	1V/1M	40	48	7.00	6.00	4.00	3.50
AHP201608RA-R33M	0.33	±20	1V/1M	55	65	6.00	5.00	3.50	3.00
AHP201608RA-R47M	0.47	±20	1V/1M	70	84	5.00	4.00	3.00	2.70
AHP201608RA-R68M	0.68	±20	1V/1M	85	100	4.00	3.00	2.80	2.50
AHP201608RA-1R0M	1.00	±20	1V/1M	110	130	3.00	2.50	2.20	1.80
AHP201608RA-1R5M	1.50	±20	1V/1M	160	190	2.80	2.30	2.00	1.70
AHP201608RA-2R2M	2.20	±20	1V/1M	220	260	2.50	2.00	1.80	1.40
AHP201608RA-3R3M	3.30	±20	1V/1M	380	450	1.80	1.50	1.20	1.10
AHP201608RA-4R7M	4.70	±20	1V/1M	550	660	1.70	1.40	1.10	1.00
AHP201608RA-6R8M	6.80	±20	1V/1M	780	940	1.30	1.10	0.85	0.75
AHP201608RA-100M	10.0	±20	1V/1M	800	960	0.90	0.80	0.80	0.70

Note:

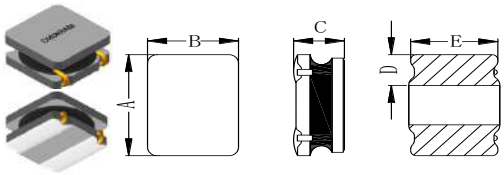
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

AHP201610BM Series (0806 inch -40~+125℃)

■ Dimensions



Dimensions	
A	2.00±0.20
B	1.60±0.20
C	0.90±0.10
D	0.70±0.30
E	0.70±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
AHP201610BM-R47M	0.47	±20	1V/1M	42.0	50.4	6.80	6.20	4.00	3.50
AHP201610BM-R68M	0.68	±20	1V/1M	52.0	62.4	5.60	5.00	3.20	2.80
AHP201610BM-1R0M	1.00	±20	1V/1M	75.0	90.0	4.50	4.00	2.90	2.60
AHP201610BM-1R5M	1.50	±20	1V/1M	120	144	3.80	3.40	2.20	1.90
AHP201610BM-2R2M	2.20	±20	1V/1M	160	196	3.20	2.80	2.00	1.70
AHP201610BM-3R3M	3.30	±20	1V/1M	240	288	2.40	2.20	1.60	1.40
AHP201610BM-4R7M	4.70	±20	1V/1M	362	435	1.90	1.70	1.30	1.10

Note:

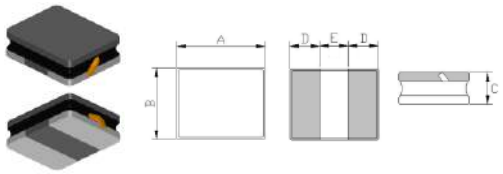
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

AHP201610FA Series (0706 inch -40~+125℃)

■ Dimensions



Dimensions	
A	2.00-0.10/+0.20
B	1.60-0.10/+0.20
C	1.00Max
D	0.50ref
E	1.00ref

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
AHP201610FA-R24M	0.24	±20	1V1M	15	20	7.50	6.50	5.70 (1) 6.50 (2)	5.10 (1) 5.50 (2)
AHP201610FA-R33M	0.33	±20	1V1M	18	23	5.50	5.00	5.50 (1) 5.60 (2)	5.00 (1) 5.20 (2)
AHP201610FA-R47M	0.47	±20	1V1M	24	29	5.20	4.50	4.70 (1) 5.30 (2)	4.30 (1) 4.70 (2)
AHP201610FA-R56M	0.56	±20	1V1M	33	40	5.15	4.45	4.30(1) 4.90(2)	3.90(1) 4.20(2)
AHP201610FA-R68M	0.68	±20	1V1M	36	44	5.10	4.40	3.90 (1) 4.20 (2)	3.50 (1) 3.80 (2)
AHP201610FA-1R0M	1.00	±20	1V1M	50	60	4.50	4.00	3.20 (1) 3.40 (2)	2.90 (1) 3.10 (2)
AHP201610FA-1R5M	1.50	±20	1V1M	68	82	3.20	2.80	2.90 (1) 3.10 (2)	2.50 (1) 2.70 (2)
AHP201610FA-2R2M	2.20	±20	1V1M	100	120	2.70	2.40	2.20 (1) 2.30 (2)	2.00 (1) 2.10 (2)
AHP201610FA-3R3M	3.30	±20	1V1M	160	192	2.00	1.70	1.80(1) 2.00(2)	1.60(1) 1.80(2)
AHP201610FA-4R7M	4.70	±20	1V1M	180	216	1.60	1.40	1.60 (1) 1.80 (2)	1.40 (1) 1.60 (2)

Note:

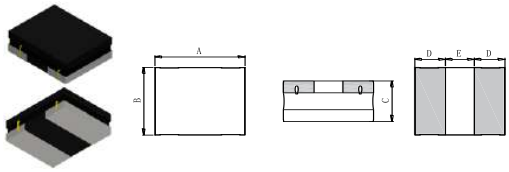
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

AHP201610RA Series (0706 inch -40~+125℃)

■ Dimensions



Dimensions	
A	2.00±0.20
B	1.60±0.20
C	0.90±0.10
D	0.65±0.20
E	0.75±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
AHP201610RA-R10M	0.10	±20	1V1M	17	20.4	10.00	8.50	7.00	6.20
AHP201610RA-R15M	0.15	±20	1V1M	20	24.0	8.00	7.00	6.00	5.50
AHP201610RA-R24M	0.24	±20	1V1M	21	25.2	7.00	6.00	5.60	5.00
AHP201610RA-R33M	0.33	±20	1V1M	28	33.6	5.50	5.00	5.10	4.60
AHP201610RA-R47M	0.47	±20	1V1M	41	49.2	4.80	4.40	4.50	4.00
AHP201610RA-R68M	0.68	±20	1V1M	55	66	4.00	3.50	3.80	3.40
AHP201610RA-1R0M	1.00	±20	1V1M	75	90	3.60	3.10	3.10	2.80
AHP201610RA-1R5M	1.50	±20	1V1M	115	138	3.10	2.70	2.40	2.10
AHP201610RA-2R2M	2.20	±20	1V1M	170	204	2.40	2.10	1.90	1.60
AHP201610RA-3R3M	3.30	±20	1V1M	190	218	1.60	1.30	1.50	1.30
AHP201610RA-4R7M	4.70	±20	1V1M	320	384	1.40	1.20	1.30	1.10
AHP201610RA-6R8M	6.80	±20	1V1M	490	580	1.10	0.95	0.95	0.85
AHP201610RA-100M	10.0	±20	1V1M	680	800	1.00	0.85	0.80	0.70

Note:

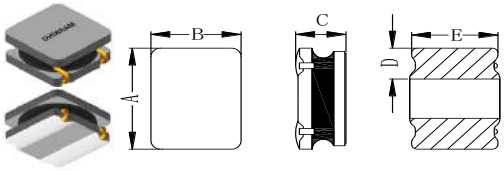
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

AHP201612BM Series (0806 inch -40~+125℃)

■ Dimensions



Dimensions	
A	2.00±0.20
B	1.60±0.20
C	1.00±0.20
D	0.70±0.30
E	0.70±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
AHP201612BM-R47M	0.47	±20	1V/1M	34.0	40.8	7.20	6.80	4.30	4.00
AHP201612BM-R68M	0.68	±20	1V/1M	43.0	51.6	6.00	5.40	3.60	3.30
AHP201612BM-1R0M	1.00	±20	1V/1M	53.0	63.6	4.70	4.20	3.20	3.00
AHP201612BM-1R5M	1.50	±20	1V/1M	78.0	94.0	4.00	3.50	2.70	2.40
AHP201612BM-2R2M	2.20	±20	1V/1M	110	132	3.40	3.00	2.40	2.10
AHP201612BM-3R3M	3.30	±20	1V/1M	180	216	2.60	2.40	1.90	1.70
AHP201612BM-4R7M	4.70	±20	1V/1M	280	336	2.10	1.90	1.50	1.30

Note:

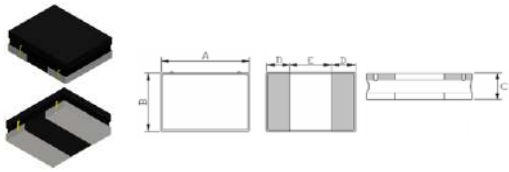
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

AHP252008RA Series (0907 inch -40~+125℃)

■ Dimensions



Dimensions	
A	2.50-0.10/+0.20
B	2.00-0.10/+0.20
C	0.80Max
D	0.75ref
E	1.00ref

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
AHP252008RA-R24M	0.24	±20	1V1M	35	42	5.30	4.80	4.50 (1) 4.70 (2)	4.00 (1) 4.20 (2)
AHP252008RA-R33M	0.33	±20	1V1M	40	55	4.80	4.30	3.90 (1) 4.30 (2)	3.50 (1) 3.90 (2)
AHP252008RA-R47M	0.47	±20	1V1M	45	60	4.50	4.00	3.70 (1) 4.10 (2)	3.30 (1) 3.70 (2)
AHP252008RA-R68M	0.68	±20	1V1M	60	75	4.00	3.50	3.50 (1) 3.70 (2)	3.00 (1) 3.20 (2)
AHP252008RA-1R0M	1.00	±20	1V1M	70	90	3.20	2.80	2.80 (1) 3.20 (2)	2.50 (1) 2.80 (2)
AHP252008RA-1R5M	1.50	±20	1V1M	105	127	2.80	2.60	2.30 (1) 2.50 (2)	2.10 (1) 2.30 (2)
AHP252008RA-2R2M	2.20	±20	1V1M	150	180	2.00	1.80	1.80 (1) 2.20 (2)	1.60 (1) 1.80 (2)
AHP252008RA-3R3M	3.30	±20	1V1M	220	260	1.60	1.30	1.60 (1) 1.80 (2)	1.30 (1) 1.50 (2)
AHP252008RA-4R7M	4.70	±20	1V1M	360	430	1.50	1.20	1.20 (1) 1.30 (2)	1.00 (1) 1.10 (2)

Note:

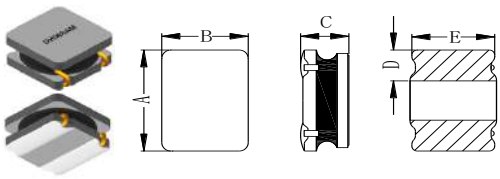
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

AHP252010BM Series (1008 inch -40~+125℃)

■ Dimensions



Dimensions	
A	2.50±0.20
B	2.00±0.20
C	0.90±0.10
D	0.90±0.30
E	2.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
AHP252010BM-R24M	0.24	±20	1V/1M	23.0	27.6	9.50	8.50	5.60	5.10
AHP252010BM-R33M	0.33	±20	1V/1M	29.0	34.8	8.40	7.60	5.30	4.80
AHP252010BM-R47M	0.47	±20	1V/1M	32.0	38.4	7.00	6.30	4.60	4.20
AHP252010BM-R68M	0.68	±20	1V/1M	46.0	55.2	6.00	5.40	4.00	3.60
AHP252010BM-1R0M	1.00	±20	1V/1M	66.0	79.2	5.00	4.50	3.40	3.10
AHP252010BM-1R5M	1.50	±20	1V/1M	85.0	102	3.80	3.50	2.90	2.50
AHP252010BM-2R2M	2.20	±20	1V/1M	125	150	3.00	2.50	2.50	2.20
AHP252010BM-3R3M	3.30	±20	1V/1M	195	234	2.50	2.10	2.00	1.80
AHP252010BM-4R7M	4.70	±20	1V/1M	260	312	2.20	1.90	1.70	1.50

Note:

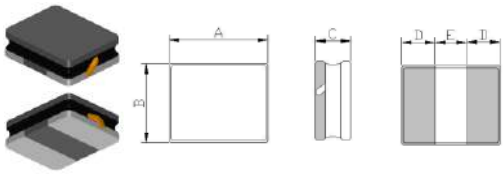
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

AHP252010FA Series (0907 inch -40~+125℃)

■ Dimensions



Dimensions	
A	2.50-0.10/+0.20
B	2.00-0.10/+0.20
C	1.00Max
D	0.75ref
E	1.00ref

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
AHP252010FA-R24M	0.24	±20	1V1M	18	22	9.50	8.00	5.50 (1) 6.00 (2)	5.00 (1) 5.50 (2)
AHP252010FA-R33M	0.33	±20	1V1M	23	28	8.00	6.50	5.30 (1) 5.60 (2)	4.80 (1) 5.10 (2)
AHP252010FA-R47M	0.47	±20	1V1M	27	35	7.00	5.90	4.60 (1) 5.30 (2)	4.20 (1) 4.80 (2)
AHP252010FA-R56M	0.56	±20	1V1M	30	38	6.20	5.20	4.40 (1) 4.80 (2)	4.00 (1) 4.40 (2)
AHP252010FA-R68M	0.68	±20	1V1M	32	40	5.50	4.60	4.20 (1) 4.40 (2)	3.80 (1) 4.00 (2)
AHP252010FA-1R0M	1.00	±20	1V1M	44	53	4.90	4.30	3.50 (1) 3.70 (2)	3.10(1) 3.40 (2)
AHP252010FA-1R5M	1.50	±20	1V1M	62	74	3.80	3.10	3.20 (1) 3.40 (2)	2.80 (1) 3.00 (2)
AHP252010FA-2R2M	2.20	±20	1V1M	78	93	2.80	2.30	2.60 (1) 2.80 (2)	2.30 (1) 2.50 (2)
AHP252010FA-3R3M	3.30	±20	1V1M	125	150	2.10	1.80	2.00 (1) 2.20 (2)	1.80 (1) 2.00 (2)
AHP252010FA-4R7M	4.70	±20	1V1M	180	216	1.70	1.40	1.70 (1) 1.80 (2)	1.50 (1) 1.60 (2)

Note:

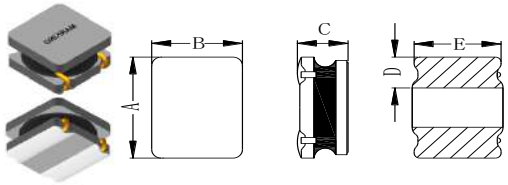
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

AHP252012BM Series (1008 inch -40~+125℃)

■ Dimensions



Dimensions	
A	2.50±0.20
B	2.00±0.20
C	1.00±0.20
D	0.90±0.30
E	2.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
AHP252012BM-R24M	0.24	±20	1V/1M	18.0	21.6	10.00	9.00	6.30	5.80
AHP252012BM-R33M	0.33	±20	1V/1M	24.0	28.8	8.70	8.00	5.60	5.10
AHP252012BM-R47M	0.47	±20	1V/1M	30.0	36.0	7.30	6.60	5.00	4.60
AHP252012BM-R68M	0.68	±20	1V/1M	36.5	44.0	6.20	5.50	4.60	4.20
AHP252012BM-1R0M	1.00	±20	1V/1M	48.0	58.0	5.40	4.80	4.00	3.70
AHP252012BM-1R5M	1.50	±20	1V/1M	65.0	78.0	4.00	3.60	3.30	2.90
AHP252012BM-2R2M	2.20	±20	1V/1M	92.0	110	3.10	2.60	2.90	2.60
AHP252012BM-3R3M	3.30	±20	1V/1M	130	156	2.60	2.20	2.50	2.20
AHP252012BM-4R7M	4.70	±20	1V/1M	200	240	2.30	2.00	1.90	1.70
AHP252012BM-6R8M	6.80	±20	1V/1M	300	360	1.80	1.60	1.60	1.40
AHP252012BM-100M	10.0	±20	1V/1M	450	540	1.40	1.20	1.20	1.10

Note:

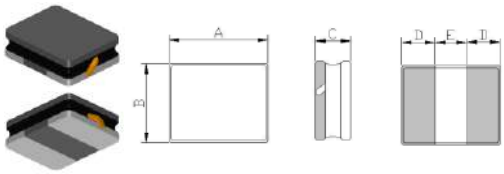
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

AHP252012FA Series (0907 inch -40~+125℃)

■ Dimensions



Dimensions	
A	2.50-0.10/+0.20
B	2.00-0.10/+0.20
C	1.20Max
D	0.75ref
E	1.00ref

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
AHP252012FA-R33M	0.33	±20	1V1M	16	21	8.00	7.20	5.50(1) 6.50(2)	5.00(1) 5.50(2)
AHP252012FA-R47M	0.47	±20	1V1M	17	23	7.40	6.70	5.00(1) 6.00(2)	4.50(1) 5.00(2)
AHP252012FA-R56M	0.56	±20	1V1M	24	29	6.00	5.40	4.60(1) 5.50(2)	4.10(1) 4.70(2)
AHP252012FA-R68M	0.68	±20	1V1M	27	32	5.50	4.90	4.30(1) 5.00(2)	3.80(1) 4.50(2)
AHP252012FA-R82M	0.82	±20	1V1M	29	35	5.50	4.90	4.30(1) 4.80(2)	3.80(1) 4.30(2)
AHP252012FA-1R0M	1.00	±20	1V1M	34	40	5.30	4.70	3.90(1) 4.50(2)	3.30(1) 3.80(2)
AHP252012FA-1R5M	1.50	±20	1V1M	50	60	4.50	3.90	3.50(1) 4.00(2)	3.00(1) 3.50(2)
AHP252012FA-2R2M	2.20	±20	1V1M	70	84	3.40	3.00	2.60(1) 3.00(2)	2.20(1) 2.60(2)
AHP252012FA-3R3M	3.30	±20	1V1M	85	100	1.50	1.30	1.40(1) 1.60(2)	1.20(1) 1.40(2)

Note:

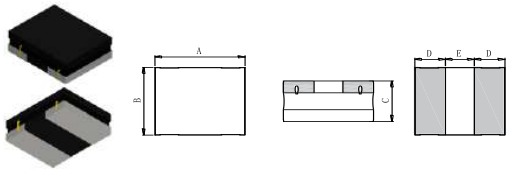
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

AHP252012RA Series (0907 inch -40~+125℃)

■ Dimensions



Dimensions	
A	2.50±0.20
B	2.00±0.20
C	1.10±0.10
D	0.80±0.20
E	0.95±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
AHP252012RA-R10M	0.10	±20	1V1M	16	19.2	14.00	12.00	6.00(1) 6.50(2)	5.50(1) 6.00(2)
AHP252012RA-R24M	0.24	±20	1V1M	18	22	8.00	7.00	5.50(1) 6.00(2)	5.00(1) 5.50(2)
AHP252012RA-R33M	0.33	±20	1V1M	23	28	7.00	6.00	5.10(1) 5.60(2)	4.60(1) 5.10(2)
AHP252012RA-R47M	0.47	±20	1V1M	27	35	6.00	5.00	4.80(1) 5.30(2)	4.30(1) 4.80(2)
AHP252012RA-R68M	0.68	±20	1V1M	36	45	5.00	4.50	4.00(1) 4.50(2)	3.60(1) 4.00(2)
AHP252012RA-1R0M	1.00	±20	1V1M	45	58	4.30	3.80	3.50(1) 3.80(2)	3.20(1) 3.50(2)
AHP252012RA-1R5M	1.50	±20	1V1M	60	72	3.50	3.00	3.10(1) 3.50(2)	2.70(1) 3.10(2)
AHP252012RA-2R2M	2.20	±20	1V1M	90	108	3.10	2.60	2.50(1) 2.80(2)	2.20(1) 2.50(2)
AHP252012RA-3R3M	3.30	±20	1V1M	125	150	2.20	1.90	2.10(1) 2.50(2)	1.80(1) 2.20(2)
AHP252012RA-4R7M	4.70	±20	1V1M	190	220	2.00	1.70	1.70(1) 1.90(2)	1.40(1) 1.60(2)
AHP252012RA-6R8M	6.80	±20	1V1M	300	360	1.80	1.50	1.20(1) 1.30(2)	1.00(1) 1.10(2)
AHP252012RA-100M	10.0	±20	1V1M	420	475	1.40	1.10	1.00(1) 1.10(2)	0.90(1) 1.00(2)
AHP252012RA-150M	15.0	±20	1V1M	620	700	1.05	0.90	0.80(1) 0.90(2)	0.70(1) 0.80(2)
AHP252012RA-220M	22.0	±20	1V1M	890	1000	0.80	0.70	0.60(1) 0.70(2)	0.50(1) 0.60(2)

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

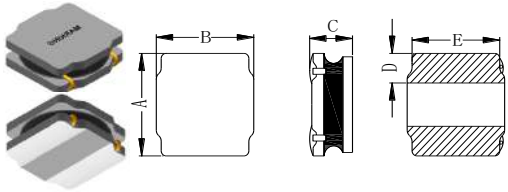
2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

AHP3010BM Series

(1111 inch -40~+125℃)

■ Dimensions



Dimensions	
A	3.00±0.20
B	3.00±0.20
C	0.90±0.10
D	0.90±0.30
E	2.70±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
AHP3010BM-R22M	0.22	±20	1V/1M	22	26.4	11.50	10.50	5.80	5.40
AHP3010BM-R36M	0.36	±20	1V/1M	30	36	10.00	9.50	5.30	4.90
AHP3010BM-R47M	0.47	±20	1V/1M	38	45.6	9.10	8.10	5.00	4.30
AHP3010BM-R56M	0.56	±20	1V/1M	39	46.8	8.70	8.00	4.50	4.00
AHP3010BM-R68M	0.68	±20	1V/1M	52	62.4	8.30	7.80	3.80	3.40
AHP3010BM-1R0M	1.00	±20	1V/1M	67	80.4	7.00	6.50	3.80	3.30
AHP3010BM-1R5M	1.50	±20	1V/1M	88	105.6	6.00	5.50	3.30	3.00
AHP3010BM-2R2M	2.20	±20	1V/1M	130	156	5.00	4.50	2.70	2.40
AHP3010BM-3R3M	3.30	±20	1V/1M	175	210	4.00	3.60	2.30	2.10
AHP3010BM-4R7M	4.70	±20	1V/1M	250	300	3.20	3.00	1.80	1.60
AHP3010BM-5R6M	5.60	±20	1V/1M	320	384	2.90	2.60	1.60	1.40
AHP3010BM-6R8M	6.80	±20	1V/1M	460	552	2.70	2.40	1.30	1.10
AHP3010BM-8R2M	8.20	±20	1V/1M	650	780	2.30	2.10	1.10	0.90
AHP3010BM-100M	10.0	±20	1V/1M	730	876	2.10	1.90	1.10	0.90

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

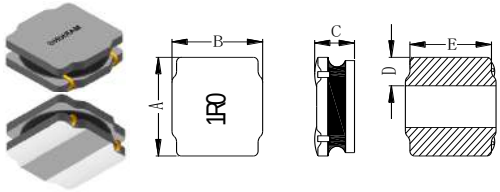
2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

AHP3012BM Series

(1212 inch -40~+125℃)

■ Dimensions



Dimensions	
A	3.00±0.20
B	3.00±0.20
C	1.00±0.20
D	0.90±0.30
E	2.70±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
AHP3012BM-R30M	0.30	±20	1V/1M	22.0	26.4	11.5	10.5	6.40	5.50
AHP3012BM-R33M	0.33	±20	1V/1M	22.0	26.4	11.0	10.0	6.40	5.50
AHP3012BM-R47M	0.47	±20	1V/1M	30.0	36.0	9.50	8.50	5.50	4.70
AHP3012BM-1R0M	1.00	±20	1V/1M	43.0	51.6	7.20	6.70	4.20	3.70
AHP3012BM-1R5M	1.50	±20	1V/1M	62.0	74.0	6.30	5.70	3.60	3.30
AHP3012BM-2R2M	2.20	±20	1V/1M	92.0	112	5.50	5.00	3.00	2.70
AHP3012BM-3R3M	3.30	±20	1V/1M	144	173	4.50	4.00	2.50	2.20
AHP3012BM-4R7M	4.70	±20	1V/1M	195	234	3.70	3.30	2.00	1.80

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

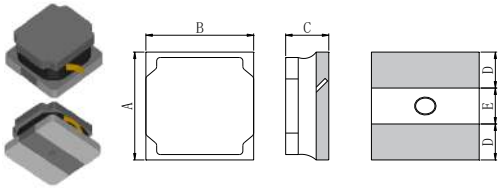
2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

AHP3012HF Series

(1111 inch -40~+125℃)

■ Dimensions



Dimensions	
A	3.00±0.20
B	3.00±0.20
C	1.20max
D	1.00ref
E	1.00ref

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
AHP3012HF-R33M	0.33	±20	1V/1M	20	24	9.00	7.00	5.50	4.50
AHP3012HF-R47M	0.47	±20	1V/1M	25	30	7.50	6.50	5.20	4.20
AHP3012HF-R68M	0.68	±20	1V/1M	32	38	6.50	5.50	4.50	3.70
AHP3012HF-1R0M	1.00	±20	1V/1M	42	49	5.20	4.50	4.00	3.50
AHP3012HF-1R5M	1.50	±20	1V/1M	60	72	4.50	4.00	3.50	3.00
AHP3012HF-2R2M	2.20	±20	1V/1M	90	108	3.60	3.00	2.80	2.30
AHP3012HF-3R3M	3.30	±20	1V/1M	130	156	3.00	2.50	2.10	1.70
AHP3012HF-4R7M	4.70	±20	1V/1M	180	216	2.60	2.30	1.80	1.50
AHP3012HF-6R8M	6.80	±20	1V/1M	250	300	2.20	1.90	1.50	1.30
AHP3012HF-100M	10.0	±20	1V/1M	290	350	1.50	1.30	1.40	1.20

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

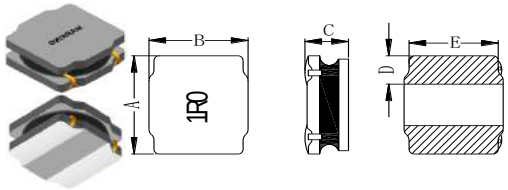
2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

AHP3015BM Series

(1212 inch -40~+125℃)

■ Dimensions



Dimensions	
A	3.00±0.20
B	3.00±0.20
C	1.30±0.20
D	0.90±0.30
E	2.70±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
AHP3015BM-R47M	0.47	±20	1V/1M	25.0	30.0	12.0	10.0	5.80	5.10
AHP3015BM-R68M	0.68	±20	1V/1M	32.0	38.4	10.0	9.00	5.20	4.70
AHP3015BM-1R0M	1.00	±20	1V/1M	42.0	50.4	8.70	7.80	4.60	4.00
AHP3015BM-1R5M	1.50	±20	1V/1M	55.0	66.0	7.50	6.90	4.00	3.60
AHP3015BM-2R2M	2.20	±20	1V/1M	68.0	81.6	6.00	5.50	3.60	3.10
AHP3015BM-3R3M	3.30	±20	1V/1M	116	140	4.50	4.20	2.90	2.60
AHP3015BM-4R7M	4.70	±20	1V/1M	159	190	4.10	3.90	2.40	2.10
AHP3015BM-5R6M	5.60	±20	1V/1M	200	240	3.70	3.30	2.20	1.90
AHP3015BM-6R8M	6.80	±20	1V/1M	210	260	3.30	2.90	2.10	1.80
AHP3015BM-8R2M	8.20	±20	1V/1M	300	360	3.00	2.60	1.80	1.50
AHP3015BM-100M	10.0	±20	1V/1M	370	444	2.70	2.30	1.60	1.30

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

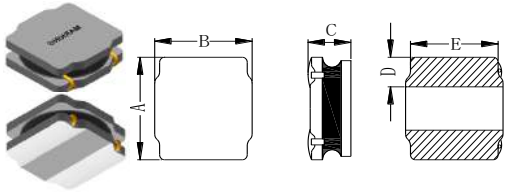
2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

AHP3020BM Series

(1111 inch -40~+125℃)

■ Dimensions



Dimensions	
A	3.00±0.20
B	3.00±0.20
C	1.80±0.20
D	0.90±0.30
E	2.70±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
AHP3020BM-R47M	0.47	±20	1V/1M	24	28.8	16.0	14.0	6.10	5.50
AHP3020BM-R68M	0.68	±20	1V/1M	29	34.8	14.0	12.0	5.50	5.00
AHP3020BM-R82M	0.82	±20	1V/1M	34	40.8	13.0	11.0	5.20	4.70
AHP3020BM-1R0M	1.00	±20	1V/1M	39	46.8	12.0	10.0	5.00	4.50
AHP3020BM-1R5M	1.50	±20	1V/1M	50	60.0	11.0	9.00	4.50	4.00
AHP3020BM-2R2M	2.20	±20	1V/1M	63	75.6	9.00	8.00	4.10	3.60
AHP3020BM-3R3M	3.30	±20	1V/1M	100	120	7.50	6.80	3.30	3.00
AHP3020BM-4R7M	4.70	±20	1V/1M	133	160	6.50	6.00	2.80	2.50
AHP3020BM-5R6M	5.60	±20	1V/1M	140	168	6.00	5.50	2.60	2.30
AHP3020BM-6R8M	6.80	±20	1V/1M	195	234	5.30	4.80	2.30	2.10
AHP3020BM-8R2M	8.20	±20	1V/1M	225	270	4.60	4.10	2.10	1.80
AHP3020BM-100M	10.0	±20	1V/1M	280	336	4.10	3.80	1.80	1.60
AHP3020BM-150M	15.0	±20	1V/1M	390	468	3.50	3.10	1.60	1.40
AHP3020BM-220M	22.0	±20	1V/1M	590	708	2.80	2.50	1.30	1.10

Note:

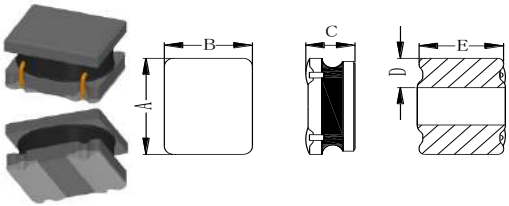
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

AHP322512BM Series (1209 inch -40~+125℃)

■ Dimensions



Dimensions	
A	3.20±0.20
B	2.50±0.20
C	1.00±0.20
D	1.00±0.30
E	2.50±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
AHP322512BM-R47M	0.47	±20	1V/1M	28	33.6	7.80	7.00	5.20	4.80
AHP322512BM-R68M	0.68	±20	1V/1M	35	42.0	6.80	6.00	4.80	4.40
AHP322512BM-1R0M	1.00	±20	1V/1M	47	56.4	5.80	5.10	4.20	3.80
AHP322512BM-1R5M	1.50	±20	1V/1M	64	76.8	4.10	3.70	3.60	3.20
AHP322512BM-2R2M	2.20	±20	1V/1M	86	104	3.30	2.80	3.20	2.80
AHP322512BM-3R3M	3.30	±20	1V/1M	128	154	2.80	2.40	2.70	2.40
AHP322512BM-4R7M	4.70	±20	1V/1M	190	228	2.40	2.10	2.30	2.00
AHP322512BM-5R6M	5.60	±20	1V/1M	240	288	2.20	1.90	2.00	1.80
AHP322512BM-6R8M	6.80	±20	1V/1M	290	348	2.00	1.80	1.80	1.60
AHP322512BM-8R2M	8.20	±20	1V/1M	350	420	1.80	1.60	1.60	1.40
AHP322512BM-100M	10.0	±20	1V/1M	440	528	1.60	1.40	1.40	1.30
AHP322512BM-150M	15.0	±20	1V/1M	675	810	1.30	1.10	1.20	1.00
AHP322512BM-220M	22.0	±20	1V/1M	920	1104	1.10	0.95	1.00	0.85
AHP322512BM-330M	33.0	±20	1V/1M	1400	1680	0.80	0.70	0.70	0.60

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

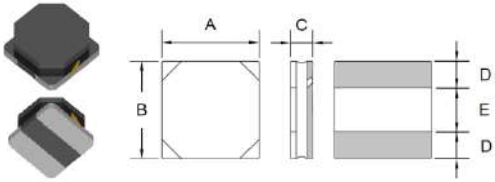
2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

AHP4010HF Series

(1515 inch -40~+125℃)

■ Dimensions



Dimensions	
A	4.00±0.20
B	4.00±0.20
C	1.00Max
D	1.20ref
E	1.60ref

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
AHP4010HF-R47M	0.47	±20	1V100K	38	45	8.00	7.00	4.50	4.00
AHP4010HF-R68M	0.68	±20	1V100K	50	60	7.00	6.00	4.00	3.50
AHP4010HF-1R0M	1.00	±20	1V100K	59	69	6.00	5.00	3.50	3.20
AHP4010HF-1R5M	1.50	±20	1V100K	62	75	4.00	3.50	3.50	3.00
AHP4010HF-2R2M	2.20	±20	1V100K	75	90	3.10	2.60	3.00	2.50
AHP4010HF-3R3M	3.30	±20	1V100K	115	140	2.80	2.30	2.50	2.00
AHP4010HF-4R7M	4.70	±20	1V100K	200	240	2.50	2.00	2.10	1.70
AHP4010HF-6R8M	6.80	±20	1V100K	300	360	2.10	1.80	1.60	1.40
AHP4010HF-100M	10.0	±20	1V100K	440	510	1.80	1.50	1.40	1.20

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

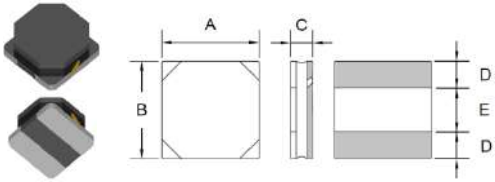
2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

AHP4012HF Series

(1515 inch -40~+125℃)

■ Dimensions



Dimensions	
A	4.00±0.20
B	4.00±0.20
C	1.20Max
D	1.40±0.25
E	1.20±0.25

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
AHP4012HF-R47M	0.47	±20	1V/100K	28	33	10.00	8.00	6.00	5.00
AHP4012HF-R68M	0.68	±20	1V/100K	36	43	8.00	7.00	5.00	4.00
AHP4012HF-1R0M	1.00	±20	1V/100K	40	50	6.50	5.50	3.80	3.50
AHP4012HF-1R5M	1.50	±20	1V/100K	50	60	5.60	4.70	3.70	3.30
AHP4012HF-2R2M	2.20	±20	1V/100K	65	78	4.50	4.00	3.40	3.00
AHP4012HF-3R3M	3.30	±20	1V/100K	100	120	4.00	3.30	2.80	2.50
AHP4012HF-4R7M	4.70	±20	1V/100K	125	145	3.00	2.70	2.30	2.00
AHP4012HF-6R8M	6.80	±20	1V/100K	150	180	2.20	1.90	2.10	1.80
AHP4012HF-100M	10.0	±20	1V/100K	280	330	2.00	1.70	1.60	1.40

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

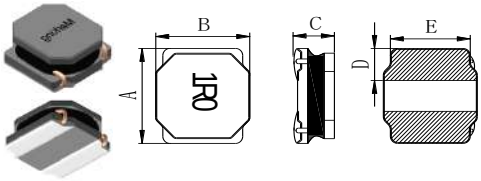
2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

AHP4020BM Series

(1616 inch -40~+125℃)

■ Dimensions



Dimensions	
A	4.00±0.20
B	4.00±0.20
C	1.80±0.20
D	1.10±0.30
E	3.50±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
AHP4020BM-R22M	0.22	±20	1V/1M	9.5	10.9	23.0	19.0	9.50	8.20
AHP4020BM-R47M	0.47	±20	1V/1M	14.0	16.1	16.0	14.0	8.00	7.00
AHP4020BM-R68M	0.68	±20	1V/1M	18.0	20.7	12.0	9.00	7.40	6.40
AHP4020BM-1R0M	1.00	±20	1V/1M	22.0	26.0	11.1	8.70	6.70	5.80
AHP4020BM-1R5M	1.50	±20	1V/1M	30.0	36.0	10.0	8.00	6.00	5.20
AHP4020BM-2R2M	2.20	±20	1V/1M	40.0	48.0	7.60	6.20	5.00	4.30
AHP4020BM-3R3M	3.30	±20	1V/1M	60.0	72.0	5.90	4.80	4.00	3.50
AHP4020BM-4R7M	4.70	±20	1V/1M	90.0	108	5.10	4.30	3.30	2.90
AHP4020BM-6R8M	6.80	±20	1V/1M	128	154	4.60	3.70	2.80	2.40
AHP4020BM-100M	10.00	±20	1V/1M	180	216	4.00	3.20	2.40	2.00
AHP4020BM-150M	15.00	±20	1V/1M	261.0	300.0	2.80	2.30	1.80	1.60

Note:

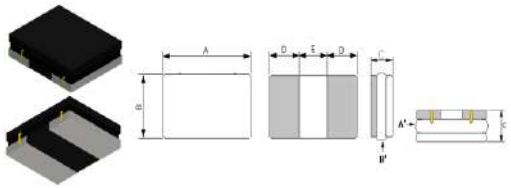
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

HPC160809TF Series (0603 inch -40~+125℃)

■ Dimensions



Dimensions	
A	1.60±0.15
A'	1.90 Max
B	0.90±0.15
B'	1.10 Max
C	0.95 Max
D	0.50 ref
E	0.60 ref

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±30%	I sat (A) typ.	I rms (A) typ.
HPC160809TF-1R0M	1.00	±20	0.5V/7.9M	120	0.80	0.90
HPC160809TF-2R2M	2.20	±20	0.5V/7.9M	240	0.40	0.45
HPC160809TF-4R7M	4.70	±20	0.5V/7.9M	460	0.30	0.35
HPC160809TF-100M	10.0	±20	0.5V/2.5M	930	0.20	0.25

Note:

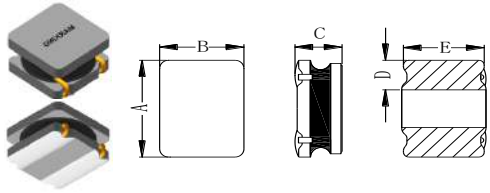
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

HPC201610BM Series (0806 inch -40~+125℃)

■ Dimensions



Dimensions	
A	2.00±0.20
B	1.60±0.20
C	0.90±0.10
D	0.70±0.30
E	1.80±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
HPC201610BM-R24M	0.24	±20	1V/100K	20.0	24.0	4.10	3.80	5.20	4.80
HPC201610BM-R33M	0.33	±20	1V/100K	29.0	34.8	3.30	3.00	4.60	4.00
HPC201610BM-R47M	0.47	±20	1V/100K	37.0	45.0	2.90	2.70	4.00	3.70
HPC201610BM-R68M	0.68	±20	1V/100K	50.0	60.0	2.50	2.30	3.60	3.30
HPC201610BM-1R0M	1.00	±20	1V/100K	67.0	80.4	2.00	1.80	3.10	2.80
HPC201610BM-1R5M	1.50	±20	1V/100K	98.0	118	1.60	1.40	2.50	2.10
HPC201610BM-2R2M	2.20	±20	1V/100K	140	168	1.30	1.10	2.10	1.90
HPC201610BM-3R3M	3.30	±20	1V/100K	210	252	1.10	0.95	1.70	1.40
HPC201610BM-4R7M	4.70	±20	1V/100K	395	474	0.90	0.80	1.30	1.10
HPC201610BM-5R6M	5.60	±20	1V/100K	415	498	0.85	0.77	1.10	0.90
HPC201610BM-6R8M	6.80	±20	1V/100K	480	576	0.80	0.75	0.90	0.80
HPC201610BM-8R2M	8.20	±20	1V/100K	630	756	0.70	0.65	0.80	0.70

Note:

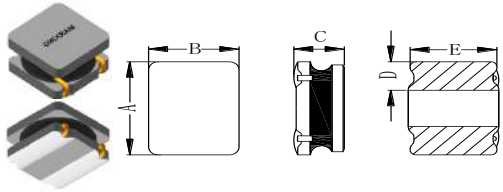
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

HPC201612BM Series (0806 inch -40~+125℃)

■ Dimensions



Dimensions	
A	2.00±0.20
B	1.60±0.20
C	1.00±0.20
D	0.70±0.30
E	1.80±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
HPC201612BM-R33M	0.33	±20	1V/100K	25.0	30.0	3.50	3.20	4.80	4.30
HPC201612BM-R47M	0.47	±20	1V/100K	35.0	42.0	3.10	2.90	4.20	3.90
HPC201612BM-R68M	0.68	±20	1V/100K	45.0	54.0	2.60	2.40	3.80	3.50
HPC201612BM-1R0M	1.00	±20	1V/100K	60.0	72.0	2.10	1.90	3.20	2.90
HPC201612BM-1R5M	1.50	±20	1V/100K	90.0	108	1.70	1.50	2.60	2.20
HPC201612BM-2R2M	2.20	±20	1V/100K	130	156	1.40	1.20	2.20	2.00
HPC201612BM-3R3M	3.30	±20	1V/100K	190	228	1.15	1.00	1.80	1.50
HPC201612BM-4R7M	4.70	±20	1V/100K	350	420	0.95	0.85	1.40	1.20
HPC201612BM-5R6M	5.60	±20	1V/100K	365	438	0.90	0.80	1.20	1.00
HPC201612BM-6R8M	6.80	±20	1V/100K	460	552	0.82	0.76	1.00	0.90
HPC201612BM-8R2M	8.20	±20	1V/100K	610	732	0.70	0.65	0.85	0.75
HPC201612BM-100M	10.0	±20	1V/100K	650	780	0.65	0.60	0.78	0.70

Note:

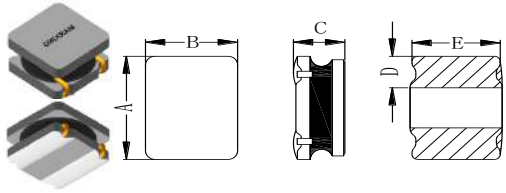
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

HPC252010BM Series (1008 inch -40~+125℃)

■ Dimensions



Dimensions	
A	2.50±0.20
B	2.00±0.20
C	0.90±0.10
D	0.90±0.30
E	2.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
HPC252010BM-R47M	0.47	±20	1V/100K	29.0	35.0	3.30	3.00	3.00	2.80
HPC252010BM-R68M	0.68	±20	1V/100K	39.0	47.0	2.80	2.60	2.80	2.60
HPC252010BM-1R0M	1.00	±20	1V/100K	60.0	72.0	2.50	2.30	2.60	2.40
HPC252010BM-1R5M	1.50	±20	1V/100K	80.0	96.0	2.10	1.90	2.40	2.20
HPC252010BM-2R2M	2.20	±20	1V/100K	110	132	1.50	1.30	2.00	1.80
HPC252010BM-3R3M	3.30	±20	1V/100K	170	204	1.30	1.10	1.70	1.50
HPC252010BM-4R7M	4.70	±20	1V/100K	250	300	1.20	1.10	1.40	1.20
HPC252010BM-6R8M	6.80	±20	1V/100K	370	444	0.95	0.85	1.20	1.00
HPC252010BM-100M	10.0	±20	1V/100K	460	552	0.75	0.65	1.00	0.80
HPC252010BM-150M	15.0	±20	1V/100K	770	924	0.62	0.57	0.80	0.65

Note:

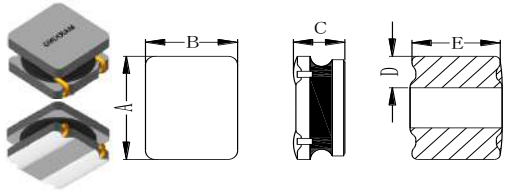
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

HPC252012BM Series (1008 inch -40~+125℃)

■ Dimensions



Dimensions	
A	2.50±0.20
B	2.00±0.20
C	1.00±0.20
D	0.90±0.30
E	2.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
HPC252012BM-R22Y	0.22	±30	1V/100K	15.0	18.0	5.50	5.00	6.00	5.50
HPC252012BM-R33M	0.33	±20	1V/100K	20.0	24.0	4.80	4.40	5.20	4.80
HPC252012BM-R47M	0.47	±20	1V/100K	26.0	32.0	4.30	4.00	4.80	4.50
HPC252012BM-R68M	0.68	±20	1V/100K	37.0	45.0	3.70	3.50	4.40	4.00
HPC252012BM-1R0M	1.00	±20	1V/100K	50.0	60.0	3.00	2.80	3.60	3.30
HPC252012BM-1R2M	1.20	±20	1V/100K	61.0	74.0	2.90	2.70	3.40	3.10
HPC252012BM-1R5M	1.50	±20	1V/100K	70.0	84.0	2.70	2.50	3.10	2.80
HPC252012BM-2R2M	2.20	±20	1V/100K	94.0	113	2.10	1.90	2.70	2.30
HPC252012BM-3R3M	3.30	±20	1V/100K	126	152	1.70	1.50	2.20	1.90
HPC252012BM-4R7M	4.70	±20	1V/100K	225	270	1.50	1.30	1.80	1.60
HPC252012BM-6R8M	6.80	±20	1V/100K	310	372	1.20	1.10	1.50	1.30
HPC252012BM-100M	10.0	±20	1V/100K	495	594	1.00	0.90	1.30	1.10
HPC252012BM-150M	15.0	±20	1V/100K	650	780	0.80	0.70	1.00	0.90
HPC252012BM-220M	22.0	±20	1V/100K	908	1090	0.63	0.58	0.80	0.60

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

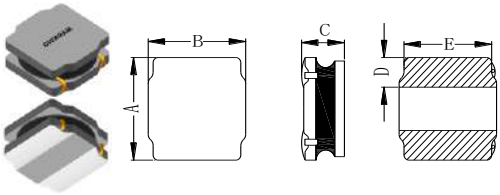
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

HPC3010BM Series

(1111 inch -40~+125℃)

■ Dimensions



Dimensions	
A	3.00±0.20
B	3.00±0.20
C	0.90±0.10
D	0.90±0.30
E	2.70±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
HPC3010BM-1R0M	1.00	±20	1V/100K	56	67	2.40	2.20	3.40	3.00
HPC3010BM-1R2M	1.20	±20	1V/100K	60	72	2.10	1.90	3.10	2.70
HPC3010BM-1R5M	1.50	±20	1V/100K	75	90	1.90	1.70	2.80	2.50
HPC3010BM-2R2M	2.20	±20	1V/100K	100	120	1.80	1.60	2.60	2.30
HPC3010BM-3R3M	3.30	±20	1V/100K	130	156	1.40	1.20	2.20	1.90
HPC3010BM-4R7M	4.70	±20	1V/100K	190	228	1.30	1.20	1.80	1.50
HPC3010BM-6R8M	6.80	±20	1V/100K	260	312	1.10	1.00	1.50	1.30
HPC3010BM-8R2M	8.20	±20	1V/100K	330	396	1.00	0.90	1.30	1.10
HPC3010BM-100M	10.0	±20	1V/100K	420	504	0.80	0.70	1.10	1.00
HPC3010BM-150M	15.0	±20	1V/100K	565	678	0.65	0.60	0.90	0.80
HPC3010BM-220M	22.0	±20	1V/100K	760	912	0.50	0.45	0.70	0.60
HPC3010BM-330M	33.0	±20	1V/100K	1270	1524	0.45	0.40	0.60	0.50

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

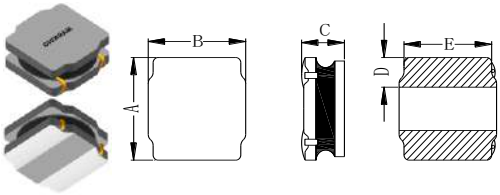
2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

HPC3012BM Series

(1111 inch -40~+125℃)

■ Dimensions



Dimensions	
A	3.00±0.20
B	3.00±0.20
C	1.00±0.20
D	0.90±0.30
E	2.70±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
HPC3012BM-R22M	0.22	±20	1V/100K	15	19	8.00	7.00	6.20	5.70
HPC3012BM-R47M	0.47	±20	1V/100K	24	29	4.80	4.40	5.20	4.80
HPC3012BM-R68M	0.68	±20	1V/100K	31	37	4.30	4.00	4.80	4.50
HPC3012BM-1R0M	1.00	±20	1V/100K	40	48	3.60	3.30	4.20	3.80
HPC3012BM-1R2M	1.20	±20	1V/100K	47	56	3.30	3.00	4.00	3.50
HPC3012BM-1R5M	1.50	±20	1V/100K	52	62	3.00	2.60	3.60	3.30
HPC3012BM-2R2M	2.20	±20	1V/100K	75	90	2.40	2.10	2.90	2.50
HPC3012BM-2R7M	2.70	±20	1V/100K	95	114	2.10	1.90	2.60	2.30
HPC3012BM-3R3M	3.30	±20	1V/100K	108	130	1.80	1.60	2.40	2.10
HPC3012BM-4R7M	4.70	±20	1V/100K	140	168	1.50	1.30	2.10	1.70
HPC3012BM-5R6M	5.60	±20	1V/100K	200	240	1.40	1.20	1.90	1.60
HPC3012BM-6R8M	6.80	±20	1V/100K	210	252	1.30	1.10	1.70	1.40
HPC3012BM-100M	10.0	±20	1V/100K	288	345	1.10	0.90	1.50	1.20
HPC3012BM-150M	15.0	±20	1V/100K	400	480	0.80	0.70	1.20	1.00
HPC3012BM-220M	22.0	±20	1V/100K	700	840	0.70	0.63	0.90	0.80
HPC3012BM-330M	33.0	±20	1V/100K	1100	1320	0.61	0.56	0.80	0.70
HPC3012BM-470M	47.0	±20	1V/100K	1500	1800	0.52	0.47	0.65	0.60

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

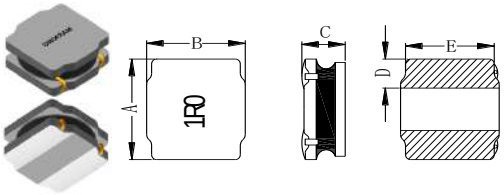
2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

HPC3015BM Series

(1212 inch -40~+125℃)

■ Dimensions



Dimensions	
A	3.00±0.20
B	3.00±0.20
C	1.30±0.20
D	0.90±0.30
E	2.70±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
HPC3015BM-R24M	0.24	±20	1V/100K	13.0	16.0	6.00	5.50	5.00	4.50
HPC3015BM-R47M	0.47	±20	1V/100K	18.0	22.0	4.30	4.00	3.70	3.30
HPC3015BM-R68M	0.68	±20	1V/100K	23.0	28.0	3.80	3.50	3.50	3.20
HPC3015BM-1R0M	1.00	±20	1V/100K	30.0	36.0	3.00	2.70	3.00	2.70
HPC3015BM-1R5M	1.50	±20	1V/100K	36.0	43.0	2.40	2.10	2.70	2.50
HPC3015BM-2R2M	2.20	±20	1V/100K	60.0	72.0	2.10	1.90	2.50	2.30
HPC3015BM-3R3M	3.30	±20	1V/100K	80.0	96.0	1.70	1.50	2.20	2.00
HPC3015BM-4R7M	4.70	±20	1V/100K	112	134	1.50	1.30	1.90	1.70
HPC3015BM-5R6M	5.60	±20	1V/100K	135	162	1.40	1.20	1.80	1.60
HPC3015BM-6R8M	6.80	±20	1V/100K	172	206	1.30	1.10	1.70	1.50
HPC3015BM-100M	10.0	±20	1V/100K	220	264	1.00	0.90	1.50	1.30
HPC3015BM-150M	15.0	±20	1V/100K	310	372	0.85	0.72	1.20	1.00
HPC3015BM-180M	18.0	±20	1V/100K	380	456	0.73	0.65	1.10	0.92
HPC3015BM-220M	22.0	±20	1V/100K	450	540	0.68	0.59	1.00	0.85
HPC3015BM-330M	33.0	±20	1V/100K	780	940	0.57	0.51	0.85	0.75
HPC3015BM-470M	47.0	±20	1V/100K	1200	1440	0.46	0.41	0.70	0.60

Note:

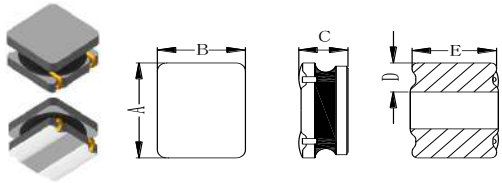
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

HPC322512BM Series (1209 inch -40~+125℃)

■ Dimensions



Dimensions	
A	3.20±0.20
B	2.50±0.20
C	1.00±0.20
D	1.00±0.30
E	2.50±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
HPC322512BM-R33M	0.33	±20	1V/100K	19	22.8	4.50	4.20	5.00	4.50
HPC322512BM-R47M	0.47	±20	1V/100K	25	30	4.00	3.80	4.50	4.10
HPC322512BM-R68M	0.68	±20	1V/100K	32	38	3.70	3.40	4.10	3.60
HPC322512BM-1R0M	1.00	±20	1V/100K	39	47	3.00	2.80	3.50	3.20
HPC322512BM-1R5M	1.50	±20	1V/100K	48	58	2.40	2.20	3.20	3.00
HPC322512BM-2R2M	2.20	±20	1V/100K	72	86	2.10	1.90	2.90	2.70
HPC322512BM-3R3M	3.30	±20	1V/100K	105	126	1.80	1.60	2.50	2.20
HPC322512BM-4R7M	4.70	±20	1V/100K	148	177	1.50	1.30	2.20	2.00
HPC322512BM-5R6M	5.60	±20	1V/100K	170	204	1.25	1.15	1.90	1.70
HPC322512BM-6R8M	6.80	±20	1V/100K	200	240	1.15	1.05	1.70	1.40
HPC322512BM-8R2M	8.20	±20	1V/100K	260	312	1.00	0.90	1.50	1.30
HPC322512BM-100M	10.0	±20	1V/100K	350	420	0.92	0.82	1.30	1.10
HPC322512BM-150M	15.0	±20	1V/100K	460	552	0.70	0.65	1.00	0.90
HPC322512BM-220M	22.0	±20	1V/100K	660	792	0.60	0.55	0.80	0.70

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

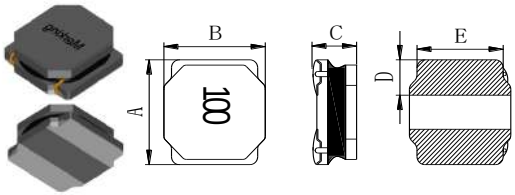
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

HPC3612BM Series

(1414 inch -40~+125℃)

■ Dimensions



Dimensions	
A	3.60±0.20
B	3.60±0.20
C	1.00±0.20
D	1.20±0.30
E	3.20±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±30%	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
HPC3612BM-100M	10.0	±20	1V/100K	290	1.10	1.00	1.20	1.00

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

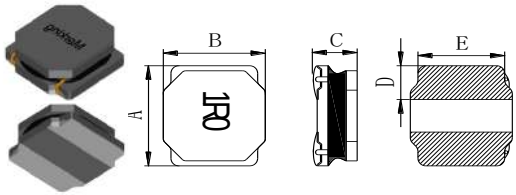
2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

HPC4010BM Series

(1515 inch -40~+125℃)

■ Dimensions



Dimensions	
A	4.00±0.20
B	4.00±0.20
C	0.90±0.10
D	1.20±0.30
E	3.50±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
HPC4010BM-1R0M	1.00	±20	1V/100K	60	72	2.80	2.60	3.50	3.00
HPC4010BM-2R2M	2.20	±20	1V/100K	93	112	1.80	1.60	2.80	2.50
HPC4010BM-3R3M	3.30	±20	1V/100K	110	132	1.40	1.30	2.50	2.30
HPC4010BM-4R7M	4.70	±20	1V/100K	150	180	1.30	1.20	2.30	2.10
HPC4010BM-6R8M	6.80	±20	1V/100K	200	240	1.00	0.90	1.80	1.60
HPC4010BM-100M	10.0	±20	1V/100K	300	360	0.88	0.80	1.40	1.20
HPC4010BM-150M	15.0	±20	1V/100K	430	516	0.65	0.60	1.20	1.00
HPC4010BM-220M	22.0	±20	1V/100K	600	720	0.53	0.46	0.80	0.70

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

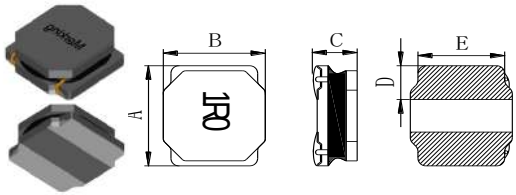
2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

HPC4012BM Series

(1515 inch -40~+125℃)

■ Dimensions



Dimensions	
A	4.00±0.20
B	4.00±0.20
C	1.00±0.20
D	1.20±0.30
E	3.50±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
HPC4012BM-R47M	0.47	±20	1V/100K	25	30	5.00	4.50	5.50	5.00
HPC4012BM-R68M	0.68	±20	1V/100K	36	43	4.60	4.30	5.00	4.60
HPC4012BM-1R0M	1.00	±20	1V/100K	43	52	4.00	3.60	4.40	4.20
HPC4012BM-1R2M	1.20	±20	1V/100K	44	53	3.80	3.40	4.20	4.00
HPC4012BM-1R5M	1.50	±20	1V/100K	52	62.4	3.30	3.00	3.90	3.60
HPC4012BM-2R2M	2.20	±20	1V/100K	66	79.2	2.50	2.30	3.30	3.00
HPC4012BM-3R3M	3.30	±20	1V/100K	81.6	98	1.90	1.70	2.80	2.60
HPC4012BM-4R7M	4.70	±20	1V/100K	112	134	1.60	1.40	2.50	2.30
HPC4012BM-5R6M	5.60	±20	1V/100K	135	162	1.40	1.30	2.10	1.90
HPC4012BM-6R8M	6.80	±20	1V/100K	165	198	1.25	1.15	1.80	1.60
HPC4012BM-100M	10.0	±20	1V/100K	230	276	1.00	0.90	1.40	1.20
HPC4012BM-150M	15.0	±20	1V/100K	320	384	0.90	0.80	1.20	1.10
HPC4012BM-220M	22.0	±20	1V/100K	470	564	0.70	0.60	1.00	0.90
HPC4012BM-330M	33.0	±20	1V/100K	850	1020	0.60	0.55	0.80	0.70
HPC4012BM-470M	47.0	±20	1V/100K	1100	1320	0.48	0.43	0.65	0.55

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

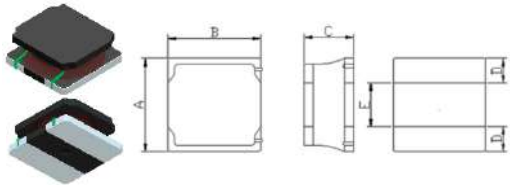
2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

HPC4018NF Series

(1515 inch -40~+125℃)

■ Dimensions



Dimensions	
A	4.00±0.20
B	4.00±0.20
C	1.80Max
D	1.20ref
E	1.60ref

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±20%	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
HPC4018NF-1R0Y	1.00	±30	1V/100K	27	4.00	3.60	3.70	3.60
HPC4018NF-1R5Y	1.50	±30	1V/100K	32	3.30	3.00	3.30	3.00
HPC4018NF-2R2M	2.20	±20	1V/100K	42	3.00	2.70	2.90	2.70
HPC4018NF-3R3M	3.30	±20	1V/100K	55	2.30	2.20	2.30	2.20
HPC4018NF-4R7M	4.70	±20	1V/100K	70	2.00	1.90	2.00	1.90
HPC4018NF-6R8M	6.80	±20	1V/100K	98	1.70	1.60	1.70	1.60
HPC4018NF-100M	10.0	±20	1V/100K	150	1.50	1.40	1.50	1.40
HPC4018NF-150M	15.0	±20	1V/100K	190	1.10	1.00	1.10	1.00
HPC4018NF-220M	22.0	±20	1V/100K	290	0.90	0.80	0.90	0.80
HPC4018NF-330M	33.0	±20	1V/100K	405	0.75	0.70	0.75	0.70
HPC4018NF-470M	47.0	±20	1V/100K	550	0.60	0.55	0.60	0.55
HPC4018NF-680M	68.0	±20	1V/100K	890	0.55	0.50	0.55	0.50

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

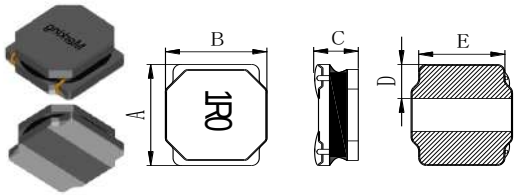
2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

HPC4020BM Series

(1515 inch -40~+125℃)

■ Dimensions



Dimensions	
A	4.00±0.20
B	4.00±0.20
C	1.80±0.20
D	1.20±0.30
E	3.40±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
HPC4020BM-1R0M	1.00	±20	1V/100K	20	24	4.60	4.00	3.80	3.20
HPC4020BM-1R5M	1.50	±20	1V/100K	26	32	4.00	3.50	3.00	2.50
HPC4020BM-2R2M	2.20	±20	1V/100K	35	42	3.50	3.00	2.60	2.10
HPC4020BM-3R3M	3.30	±20	1V/100K	52	63	2.80	2.40	2.30	1.90
HPC4020BM-4R7M	4.70	±20	1V/100K	67	80	2.20	2.00	1.90	1.60
HPC4020BM-5R6M	5.60	±20	1V/100K	82	99	2.10	1.90	1.80	1.50
HPC4020BM-6R8M	6.80	±20	1V/100K	92	110	2.00	1.80	1.70	1.40
HPC4020BM-8R2M	8.20	±20	1V/100K	110	132	1.70	1.60	1.50	1.30
HPC4020BM-100M	10.0	±20	1V/100K	140	168	1.60	1.50	1.40	1.20
HPC4020BM-150M	15.0	±20	1V/100K	200	240	1.30	1.20	1.00	0.90
HPC4020BM-180M	18.0	±20	1V/100K	240	288	1.20	1.10	0.90	0.80
HPC4020BM-220M	22.0	±20	1V/100K	265	318	1.10	1.00	0.90	0.70
HPC4020BM-270M	27.0	±20	1V/100K	345	414	0.90	0.80	0.80	0.63
HPC4020BM-330M	33.0	±20	1V/100K	412	495	0.90	0.70	0.75	0.55
HPC4020BM-470M	47.0	±20	1V/100K	580	696	0.67	0.60	0.55	0.45
HPC4020BM-680M	68.0	±20	1V/100K	950	1140	0.60	0.50	0.47	0.35
HPC4020BM-101M	100.0	±20	1V/100K	1400	1680	0.50	0.40	0.35	0.30

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

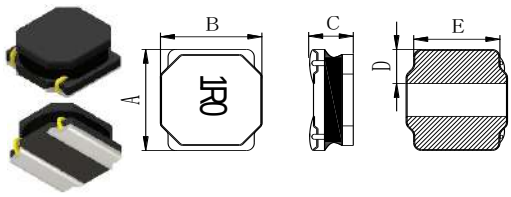
2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

HPC4030NF Series

(1515 inch -40~+125℃)

■ Dimensions



Dimensions	
A	4.00±0.20
B	4.00±0.20
C	2.80±0.20
D	1.35±0.30
E	3.40±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±20%	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
HPC4030NF-R68M	0.68	±20	1V/100K	10	6.80	5.80	4.60	4.00
HPC4030NF-1R0M	1.00	±20	1V/100K	14	5.30	4.60	4.20	3.50
HPC4030NF-1R5M	1.50	±20	1V/100K	20	4.90	4.00	3.40	2.90
HPC4030NF-2R2M	2.20	±20	1V/100K	30	4.20	3.60	3.00	2.50
HPC4030NF-3R3M	3.30	±20	1V/100K	40	3.30	2.70	2.40	2.10
HPC4030NF-4R7M	4.70	±20	1V/100K	60	2.90	2.40	2.05	1.80
HPC4030NF-5R6M	5.60	±20	1V/100K	65	2.70	2.10	1.95	1.60
HPC4030NF-6R8M	6.80	±20	1V/100K	90	2.40	2.00	1.80	1.50
HPC4030NF-8R2M	8.20	±20	1V/100K	95	2.10	1.80	1.60	1.40
HPC4030NF-100M	10.0	±20	1V/100K	100	2.00	1.70	1.50	1.30
HPC4030NF-120M	12.0	±20	1V/100K	135	1.80	1.60	1.30	1.20
HPC4030NF-150M	15.0	±20	1V/100K	190	1.70	1.40	1.20	1.10
HPC4030NF-180M	18.0	±20	1V/100K	200	1.50	1.25	1.10	1.00
HPC4030NF-220M	22.0	±20	1V/100K	225	1.30	1.15	1.00	0.90
HPC4030NF-330M	33.0	±20	1V/100K	330	1.10	0.85	0.85	0.80
HPC4030NF-470M	47.0	±20	1V/100K	445	0.95	0.75	0.72	0.65
HPC4030NF-221M	220	±20	1V/100K	2250	0.45	0.35	0.35	0.25

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

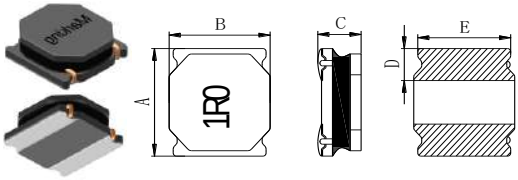
2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

HPC5012NF Series

(1919 inch -40~+125℃)

■ Dimensions



Dimensions	
A	5.00±0.20
B	5.00±0.20
C	1.00±0.20
D	1.50±0.30
E	4.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
HPC5012NF-1R0M	1.00	±20	1V/100K	57.0	68.4	4.50	4.00	4.00	3.50
HPC5012NF-1R5M	1.50	±20	1V/100K	73.0	87.6	4.00	3.70	3.60	3.30
HPC5012NF-2R2M	2.20	±20	1V/100K	88.0	105.6	3.40	3.20	3.30	3.00
HPC5012NF-3R3M	3.30	±20	1V/100K	145	174	2.90	2.60	2.70	2.40
HPC5012NF-4R7M	4.70	±20	1V/100K	180	216	2.40	2.20	2.30	2.10
HPC5012NF-5R6M	5.60	±20	1V/100K	215	258	2.10	1.90	2.00	1.80
HPC5012NF-6R8M	6.80	±20	1V/100K	255	306	1.85	1.73	1.80	1.70
HPC5012NF-8R2M	8.20	±20	1V/100K	278	334	1.65	1.55	1.70	1.60
HPC5012NF-100M	10.0	±20	1V/100K	400	480	1.45	1.37	1.50	1.40
HPC5012NF-150M	15.0	±20	1V/100K	600	720	1.30	1.22	1.35	1.27

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

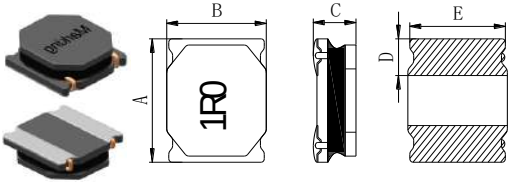
2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

HPC5020NF Series

(2020 inch -40~+125℃)

■ Dimensions



Dimensions	
A	5.00±0.20
B	5.00±0.20
C	1.80±0.20
D	1.30±0.20
E	4.70±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±20%	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
HPC5020NF-1R0Y	1.00	±30	1V/100K	20	5.00	4.5	4.10	3.6
HPC5020NF-1R2Y	1.20	±30	1V/100K	20	4.80	4.2	3.80	3.3
HPC5020NF-1R5Y	1.50	±30	1V/100K	25	4.50	4.0	3.50	3.0
HPC5020NF-2R2M	2.20	±20	1V/100K	32	4.10	3.5	3.30	2.8
HPC5020NF-3R3M	3.30	±20	1V/100K	43	3.50	3.0	2.80	2.5
HPC5020NF-4R7M	4.70	±20	1V/100K	60	2.70	2.3	2.40	2.1
HPC5020NF-5R6M	5.60	±20	1V/100K	69	2.40	2.0	2.10	1.8
HPC5020NF-6R8M	6.80	±20	1V/100K	90	2.10	1.7	1.90	1.6
HPC5020NF-8R2M	8.20	±20	1V/100K	98	1.90	1.4	1.75	1.4
HPC5020NF-100M	10.0	±20	1V/100K	110	1.70	1.2	1.60	1.3
HPC5020NF-120M	12.0	±20	1V/100K	135	1.40	1.0	1.40	1.1
HPC5020NF-150M	15.0	±20	1V/100K	165	1.30	0.8	1.25	0.9
HPC5020NF-180M	18.0	±20	1V/100K	190	1.20	0.7	1.17	0.8
HPC5020NF-220M	22.0	±20	1V/100K	225	1.10	0.6	1.10	0.7
HPC5020NF-330M	33.0	±20	1V/100K	335	0.80	0.5	0.80	0.6
HPC5020NF-470M	47.0	±20	1V/100K	460	0.70	0.4	0.70	0.5

Note:

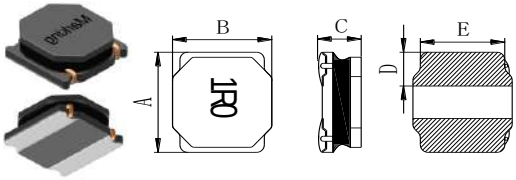
1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

HPC5030NF Series

(1919 inch -40~+125℃)

■ Dimensions



Dimensions	
A	5.00±0.20
B	5.00±0.20
C	2.80±0.20
D	1.30±0.30
E	4.70±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±20%	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
HPC5030NF-R47M	0.47	±20	1V/100K	10	10.00	9.00	8.00	7.00
HPC5030NF-R68M	0.68	±20	1V/100K	13	8.00	7.00	6.50	5.50
HPC5030NF-1R0M	1.00	±20	1V/100K	16	6.50	6.00	4.80	4.30
HPC5030NF-1R5M	1.50	±20	1V/100K	20	6.10	5.60	4.20	3.80
HPC5030NF-2R2M	2.20	±20	1V/100K	25	5.20	4.80	3.60	3.30
HPC5030NF-3R3M	3.30	±20	1V/100K	34	4.20	3.90	3.20	2.90
HPC5030NF-4R7M	4.70	±20	1V/100K	45	3.70	3.50	3.00	2.70
HPC5030NF-6R8M	6.80	±20	1V/100K	62	3.00	2.80	2.30	2.10
HPC5030NF-100M	10.0	±20	1V/100K	88	2.30	2.10	2.00	1.80
HPC5030NF-150M	15.0	±20	1V/100K	107	1.80	1.60	1.60	1.40
HPC5030NF-220M	22.0	±20	1V/100K	156	1.55	1.30	1.40	1.20
HPC5030NF-330M	33.0	±20	1V/100K	210	1.20	1.05	1.10	1.00
HPC5030NF-470M	47.0	±20	1V/100K	345	1.00	0.90	0.90	0.80
HPC5030NF-101M	100.0	±20	1V/100K	680	0.77	0.72	0.75	0.70

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

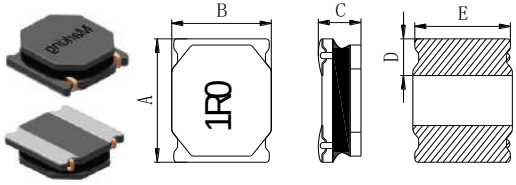
2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

HPC5040NF Series

(2020 inch -40~+125℃)

■ Dimensions



Dimensions	
A	4.95±0.20
B	4.95±0.20
C	≤10uH/3.90±0.20 ＞10uH/3.80±0.20
D	1.30±0.30
E	4.20±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±20%	I sat (A) typ.	I rms (A) typ.
HPC5040NF-R47M	0.47	±20	1V/100K	6.5	12.00	9.00
HPC5040NF-R60M	0.60	±20	1V/100K	8	11.00	8.00
HPC5040NF-1R0M	1.00	±20	1V/100K	12	7.50	5.00
HPC5040NF-1R5M	1.50	±20	1V/100K	15	6.50	4.50
HPC5040NF-1R8M	1.80	±20	1V/100K	18	6.10	4.20
HPC5040NF-2R2M	2.20	±20	1V/100K	21	5.70	3.80
HPC5040NF-3R3M	3.30	±20	1V/100K	24	4.40	3.50
HPC5040NF-4R7M	4.70	±20	1V/100K	32	3.90	3.20
HPC5040NF-6R8M	6.80	±20	1V/100K	43	3.30	2.50
HPC5040NF-100M	10.0	±20	1V/100K	56	2.52	2.20
HPC5040NF-150M	15.0	±20	1V/100K	80	2.00	1.80
HPC5040NF-220M	22.0	±20	1V/100K	123	1.62	1.50
HPC5040NF-330M	33.0	±20	1V/100K	180	1.30	1.20
HPC5040NF-470M	47.0	±20	1V/100K	270	1.10	1.00
HPC5040NF-680M	68.0	±20	1V/100K	400	0.90	0.80
HPC5040NF-820M	82.0	±20	1V/100K	490	0.78	0.75
HPC5040NF-101M	100	±20	1V/100K	560	0.75	0.72
HPC5040NF-221M	220	±20	1V/100K	1500	0.55	0.62

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

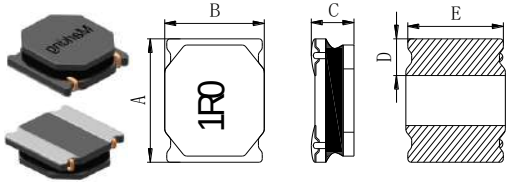
2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

HPC6020NF Series

(2424 inch -40~+125℃)

■ Dimensions



Dimensions	
A	6.00±0.20
B	6.00±0.20
C	1.80±0.20
D	1.60±0.20
E	5.80±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±20%	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
HPC6020NF-R80M	0.80	±20	1V/100K	16.0	7.50	7.0	5.50	5.0
HPC6020NF-1R0M	1.00	±20	1V/100K	19.0	6.20	5.7	4.50	4.0
HPC6020NF-1R5M	1.50	±20	1V/100K	22.5	5.50	5.0	3.80	3.3
HPC6020NF-2R0M	2.00	±20	1V/100K	25.0	5.30	4.9	3.65	3.3
HPC6020NF-2R2M	2.20	±20	1V/100K	29.0	5.00	4.6	3.50	3.2
HPC6020NF-3R3M	3.30	±20	1V/100K	35.0	4.00	3.6	3.30	3.0
HPC6020NF-4R7M	4.70	±20	1V/100K	54.0	3.00	2.7	2.80	2.5
HPC6020NF-5R6M	5.60	±20	1V/100K	59.0	2.70	2.4	2.60	2.3
HPC6020NF-6R8M	6.80	±20	1V/100K	78.0	2.60	2.3	2.50	2.2
HPC6020NF-8R2M	8.20	±20	1V/100K	103	2.40	2.1	2.30	2.0
HPC6020NF-100M	10.0	±20	1V/100K	106	2.10	1.9	2.10	1.9
HPC6020NF-150M	15.0	±20	1V/100K	138	1.50	1.3	1.60	1.4
HPC6020NF-220M	22.0	±20	1V/100K	204	1.30	1.1	1.40	1.1
HPC6020NF-330M	33.0	±20	1V/100K	340	1.20	1.0	1.30	1.1

Note:

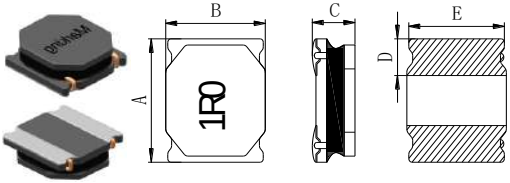
1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

HPC6028NF Series

(2424 inch -40~+125℃)

■ Dimensions



Dimensions	
A	6.00±0.20
B	6.00±0.20
C	2.60±0.20
D	1.60±0.30
E	5.80±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±20%	I sat (A) typ.	I rms (A) typ.
HPC6028NF-R90M	0.90	±20	1V/100K	8.20	8.00	7.80
HPC6028NF-1R0Y	1.00	±30	1V/100K	10.0	5.75	5.20
HPC6028NF-1R5Y	1.50	±30	1V/100K	14.0	5.30	4.95
HPC6028NF-2R2M	2.20	±20	1V/100K	18.0	5.00	4.50
HPC6028NF-3R3M	3.30	±20	1V/100K	24.0	4.30	3.60
HPC6028NF-4R7M	4.70	±20	1V/100K	30.0	3.20	3.10
HPC6028NF-6R8M	6.80	±20	1V/100K	47.0	2.85	2.50
HPC6028NF-100M	10.0	±20	1V/100K	65.0	2.10	2.00
HPC6028NF-150M	15.0	±20	1V/100K	98.0	2.00	1.80
HPC6028NF-220M	22.0	±20	1V/100K	138	1.60	1.50
HPC6028NF-330M	33.0	±20	1V/100K	200	1.40	1.30
HPC6028NF-470M	47.0	±20	1V/100K	280	1.15	1.06
HPC6028NF-680M	68.0	±20	1V/100K	420	1.00	0.81
HPC6028NF-101M	100	±20	1V/100K	605	0.80	0.72
HPC6028NF-121M	120	±20	1V/100K	750	0.72	0.68

Note:

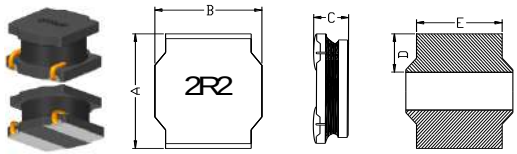
1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

HPC6045NC Series

(2424 inch -40~+125℃)

■ Dimensions



Dimensions	
A	6.00±0.30
B	6.00±0.30
C	4.20±0.30
D	1.90±0.30
E	4.80±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±20%	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
HPC6045NC-R36M	0.36	±20	1V/1M	4.80	18.00	16.50	9.00	8.50
HPC6045NC-R47M	0.47	±20	1V/1M	6.80	17.00	16.00	8.60	8.00
HPC6045NC-R82M	0.82	±20	1V/1M	8.50	14.50	13.50	8.20	7.50
HPC6045NC-1R0M	1.00	±20	1V/1M	10.0	13.50	12.50	8.00	7.30
HPC6045NC-1R2M	1.20	±20	1V/1M	10.5	12.50	11.50	7.50	7.00
HPC6045NC-1R3M	1.30	±20	1V/1M	10.5	12.50	11.50	7.50	7.00
HPC6045NC-1R5M	1.50	±20	1V/1M	11.7	12.00	11.00	7.00	6.60
HPC6045NC-1R8M	1.80	±20	1V/1M	12.0	11.00	10.00	6.80	6.20
HPC6045NC-2R0M	2.00	±20	1V/1M	13.5	10.50	9.50	6.50	5.80
HPC6045NC-2R2M	2.20	±20	1V/1M	15.0	9.50	8.55	6.00	5.30
HPC6045NC-2R3M	2.30	±20	1V/1M	16.0	9.30	8.20	5.80	5.00
HPC6045NC-3R0M	3.00	±20	1V/1M	20.0	8.00	7.50	5.20	4.60
HPC6045NC-3R3M	3.30	±20	1V/1M	21.0	7.80	7.30	5.00	4.50
HPC6045NC-3R6M	3.60	±20	1V/1M	22.5	7.40	6.90	4.90	4.30
HPC6045NC-4R7M	4.70	±20	1V/1M	26.0	6.80	6.20	4.50	4.00
HPC6045NC-5R6M	5.60	±20	1V/1M	31.0	6.40	5.70	4.10	3.70

Note:

1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

HPC6045NC Series (2424 inch -40 ~+125℃)

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±20%	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
HPC6045NC-6R3M	6.30	±20	1V/1M	33.0	5.90	5.30	3.80	3.50
HPC6045NC-6R8M	6.80	±20	1V/1M	34.0	5.70	5.15	3.60	3.30
HPC6045NC-8R2M	8.20	±20	1V/1M	46.0	5.10	4.50	3.40	2.90
HPC6045NC-100M	10.0	±20	1V/1M	52.0	4.60	4.20	3.20	2.60
HPC6045NC-150M	15.0	±20	1V/1M	71.0	3.80	3.30	2.80	2.20
HPC6045NC-180M	18.0	±20	1V/1M	80.0	3.40	2.90	2.60	2.10
HPC6045NC-220M	22.0	±20	1V/1M	96.0	3.30	2.70	2.30	1.90
HPC6045NC-330M	33.0	±20	1V/1M	145	2.50	2.10	1.80	1.50
HPC6045NC-470M	47.0	±20	1V/1M	200	2.00	1.75	1.60	1.20
HPC6045NC-560M	56.0	±20	1V/1M	230	1.80	1.65	1.40	1.00
HPC6045NC-680M	68.0	±20	1V/1M	305	1.60	1.52	1.10	0.92
HPC6045NC-820M	82.0	±20	1V/1M	365	1.50	1.40	0.98	0.88
HPC6045NC-101M	100	±20	1V/1M	456	1.33	1.25	0.92	0.82
HPC6045NC-121M	120	±20	1V/1M	500	1.20	1.10	0.85	0.79
HPC6045NC-151M	150	±20	1V/1M	626	1.10	1.00	0.75	0.70
HPC6045NC-181M	180	±20	1V/1M	745	1.00	0.90	0.68	0.60
HPC6045NC-221M	220	±20	1V/1M	900	0.88	0.77	0.60	0.50
HPC6045NC-331M	330	±20	1V/1M	1400	0.60	0.55	0.55	0.45
HPC6045NC-471M	470	±20	1V/1M	2050	0.50	0.45	0.40	0.35
HPC6045NC-681M	680	±20	1V/1M	2900	0.45	0.40	0.30	0.30

Note:

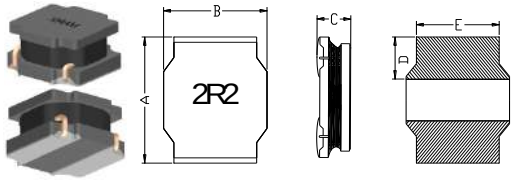
1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Sealed Type Power Inductors

HPC8040NC Series

(3232 inch -40~+125℃)

■ Dimensions



Dimensions	
A	8.00±0.30
B	8.00±0.30
C	＜1.0uH/4.2Max ⩾1.0uH/3.70±0.30
D	2.40±0.30
E	6.30±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±20%	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
HPC8040NC-1R0M	1.00	±20	1V/1M	8.2	13.80	13.00	8.50	8.00
HPC8040NC-1R4M	1.40	±20	1V/1M	10.0	11.80	11.20	8.20	7.80
HPC8040NC-1R5M	1.50	±20	1V/1M	10.0	11.50	11.00	8.00	7.70
HPC8040NC-2R2M	2.20	±20	1V/1M	11.5	9.80	9.20	7.40	6.90
HPC8040NC-3R3M	3.30	±20	1V/1M	15.0	8.00	7.50	6.60	6.20
HPC8040NC-3R6M	3.60	±20	1V/1M	15.0	7.60	7.00	6.40	6.00
HPC8040NC-4R7M	4.70	±20	1V/1M	19.5	6.70	6.00	5.80	5.30
HPC8040NC-5R6M	5.60	±20	1V/1M	22.0	6.20	5.80	5.40	5.20
HPC8040NC-6R8M	6.80	±20	1V/1M	25.0	5.60	5.10	5.10	5.00
HPC8040NC-100M	10.0	±20	1V/1M	33.0	5.00	4.30	4.60	4.20
HPC8040NC-150M	15.0	±20	1V/1M	50.0	4.00	3.60	3.60	3.20
HPC8040NC-220M	22.0	±20	1V/1M	73.0	3.10	2.80	2.90	2.45
HPC8040NC-330M	33.0	±20	1V/1M	100	2.60	2.10	2.30	2.10
HPC8040NC-470M	47.0	±20	1V/1M	135	2.20	1.90	2.00	1.70
HPC8040NC-560M	56.0	±20	1V/1M	160	1.90	1.60	1.75	1.60
HPC8040NC-680M	68.0	±20	1V/1M	205	1.75	1.50	1.65	1.50
HPC8040NC-820M	82.0	±20	1V/1M	230	1.60	1.40	1.40	1.30
HPC8040NC-101M	100	±20	1V/1M	300	1.45	1.20	1.20	1.10
HPC8040NC-121M	120	±20	1V/1M	350	1.30	1.10	1.10	1.00
HPC8040NC-151M	150	±20	1V/1M	410	1.20	1.03	0.98	0.90
HPC8040NC-181M	180	±20	1V/1M	490	1.04	0.94	0.91	0.83
HPC8040NC-221M	220	±20	1V/1M	610	0.99	0.90	0.85	0.76
HPC8040NC-331M	330	±20	1V/1M	850	0.75	0.70	0.70	0.66
HPC8040NC-471M	470	±20	1V/1M	1300	0.60	0.55	0.63	0.58
HPC8040NC-681M	680	±20	1V/1M	2200	0.55	0.50	0.60	0.55

Note:

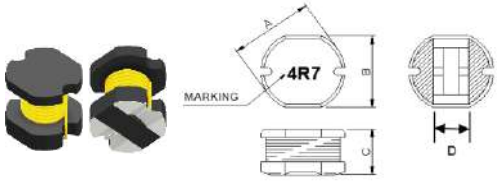
1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Power Inductors

FPI0302BM Series

(1311 inch -40～+125℃)

■ Dimensions



Dimensions	
A	3.50±0.30
B	3.00±0.30
C	2.10±0.30
D	1.25±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) max.	IDC (A) max.
FPI 0302BM-R29Y	0.29	±30	1V/7.96M	0.015	5.00
FPI 0302BM-R30Y	0.30	±30	1V/7.96M	0.015	5.00
FPI 0302BM-R33Y	0.33	±30	1V/7.96M	0.015	5.00
FPI 0302BM-R47M	0.33	±20	1V/7.96M	0.025	4.00
FPI 0302BM-1R0M	1.00	±20	1V/7.96M	0.04	1.50
FPI 0302BM-1R4M	1.40	±20	1V/7.96M	0.05	1.50
FPI 0302BM-1R5M	1.50	±20	1V/7.96M	0.055	1.40
FPI 0302BM-1R8M	1.80	±20	1V/7.96M	0.06	0.80
FPI 0302BM-2R2M	2.20	±20	1V/7.96M	0.08	0.75
FPI 0302BM-2R7M	2.70	±20	1V/7.96M	0.10	0.75
FPI 0302BM-3R3M	3.30	±20	1V/7.96M	0.15	0.60
FPI 0302BM-3R9M	3.90	±20	1V/7.96M	0.20	0.50
FPI 0302BM-4R7M	4.70	±20	1V/7.96M	0.20	0.50
FPI 0302BM-5R6M	5.60	±20	1V/7.96M	0.23	0.45
FPI 0302BM-6R8M	6.80	±20	1V/7.96M	0.25	0.40
FPI 0302BM-8R2M	8.20	±20	1V/7.96M	0.30	0.40
FPI 0302BM-100M	10.0	±20	1V/2.52M	0.35	0.35
FPI 0302BM-120M	12.0	±20	1V/2.52M	0.40	0.35
FPI 0302BM-150M	15.0	±20	1V/2.52M	0.50	0.30
FPI 0302BM-180M	18.0	±20	1V/2.52M	0.55	0.30
FPI 0302BM-220M	22.0	±20	1V/2.52M	0.60	0.30

Note:

1.Saturation Current (Isat) will cause L0 to drop approximately 35%.

FPI0302BM Series

(1311 inch -40～+125℃)

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) max.	IDC (A) max.
FPI 0302BM-270M	27.0	±20	1V/2.52M	0.70	0.30
FPI 0302BM-330M	33.0	±20	1V/2.52M	1.00	0.25
FPI 0302BM-390M	39.0	±20	1V/2.52M	1.20	0.25
FPI 0302BM-470M	47.0	±20	1V/2.52M	1.50	0.20
FPI 0302BM-560M	56.0	±20	1V/2.52M	1.80	0.20
FPI 0302BM-680M	68.0	±20	1V/2.52M	2.00	0.18
FPI 0302BM-820M	82.0	±20	1V/2.52M	2.50	0.16
FPI 0302BM-101M	100	±20	1V/1K	3.00	0.15
FPI 0302BM-121M	120	±20	1V/1K	3.50	0.14
FPI 0302BM-151M	150	±20	1V/1K	4.00	0.13
FPI 0302BM-181M	180	±20	1V/1K	5.00	0.12
FPI 0302BM-221M	220	±20	1V/1K	5.50	0.10
FPI 0302BM-271M	270	±20	1V/1K	6.00	0.10
FPI 0302BM-331M	330	±20	1V/1K	7.00	0.10
FPI 0302BM-391M	390	±20	1V/1K	8.00	0.10
FPI 0302BM-471M	470	±20	1V/1K	12.00	0.09

Note:

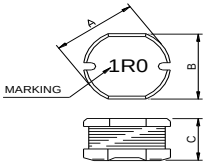
1.Saturation Current (Isat) will cause L0 to drop approximately 35%.

Power Inductors

FPI0403BM Series

(1715 inch -40～+125℃)

■ Dimensions



Dimensions	
A	4.50±0.30
B	4.00±0.30
C	3.20±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) max.	IDC (A) max.
FPI0403BM-1R0M	1.00	±20	1V/7.96M	0.01	4.00
FPI0403BM-1R4M	1.40	±20	1V/7.96M	0.014	3.50
FPI0403BM-1R8M	1.80	±20	1V/7.96M	0.03	3.00
FPI0403BM-2R2M	2.20	±20	1V/7.96M	0.04	2.60
FPI0403BM-2R7M	2.70	±20	1V/7.96M	0.05	2.20
FPI0403BM-3R3M	3.30	±20	1V/7.96M	0.06	2.00
FPI0403BM-3R9M	3.90	±20	1V/7.96M	0.06	2.00
FPI0403BM-4R7M	4.70	±20	1V/7.96M	0.07	1.90
FPI0403BM-5R6M	5.60	±20	1V/7.96M	0.07	1.80
FPI0403BM-6R8M	6.80	±20	1V/7.96M	0.08	1.60
FPI0403BM-8R2M	8.20	±20	1V/7.96M	0.12	1.40
FPI0403BM-100M	10.0	±20	1V/2.52M	0.14	1.10
FPI0403BM-120M	12.0	±20	1V/2.52M	0.15	1.10
FPI0403BM-150M	15.0	±20	1V/2.52M	0.19	1.00
FPI0403BM-180M	18.0	±20	1V/2.52M	0.21	1.00
FPI0403BM-220M	22.0	±20	1V/2.52M	0.25	1.00
FPI0403BM-270M	27.0	±20	1V/2.52M	0.30	0.75
FPI0403BM-330M	33.0	±20	1V/2.52M	0.35	0.70
FPI0403BM-390M	39.0	±20	1V/2.52M	0.45	0.65
FPI0403BM-470M	47.0	±20	1V/2.52M	0.60	0.60
FPI0403BM-560M	56.0	±20	1V/2.52M	0.70	0.55

Note:

1.Saturation Current (Isat) will cause L0 to drop approximately 35%.

FPI0403BM Series

(1715 inch -40~+125℃)

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) max.	IDC (A) max.
FPI0403BM-680M	68.0	±20	1V/2.52M	1.00	0.50
FPI0403BM-820M	82.0	±20	1V/2.52M	1.10	0.46
FPI0403BM-101M	100	±20	1V/1K	1.20	0.22
FPI0403BM-121M	120	±20	1V/1K	1.60	0.20

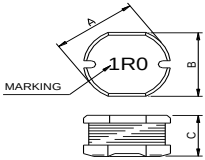
Note:

1.Saturation Current (Isat) will cause L0 to drop approximately 35%.

FPI0503BM Series

(2220 inch -40～+125℃)

■ Dimensions



Dimensions	
A	5.80±0.30
B	5.20±0.30
C	3.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) max.	I sat (A) max.	I rms (A) max.
FPI0503BM-1R5M	1.50	±20	100KHz/1V	37	37	4.10
FPI0503BM-2R2M	2.20	±20	7.96MHz/1V	50	50	3.50
FPI0503BM-3R3M	3.30	±20	7.96MHz/1V	80	80	2.40
FPI0503BM-4R7M	4.70	±20	7.96MHz/1V	130	130	1.30
FPI0503BM-6R8M	6.80	±20	7.96MHz/1V	71.2	71.2	1.87
FPI0503BM-8R2M	8.20	±20	7.96MHz/1V	100	100	2.00
FPI0503BM-100M	10.0	±20	2.52MHz/1V	200	200	1.90
FPI0503BM-150M	15.0	±20	2.52MHz/1V	240	240	1.80
FPI0503BM-220M	22.0	±20	2.52MHz/1V	310	310	1.70
FPI0503BM-330M	33.0	±20	2.52MHz/1V	450	450	1.40

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

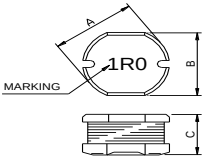
2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Power Inductors

FPI0504BM Series

(2220 inch -40～+125℃)

■ Dimensions



Dimensions	
A	5.80±0.30
B	5.20±0.30
C	4.50±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) max.	IDC (A) max.
FPI0504BM-1R0M	1.00	±20	1V/7.96M	0.018	3.50
FPI0504BM-1R2M	1.20	±20	1V/7.96M	0.019	3.50
FPI0504BM-1R4M	1.40	±20	1V/7.96M	0.020	3.50
FPI0504BM-1R5M	1.50	±20	1V/7.96M	0.025	3.50
FPI0504BM-1R8M	1.80	±20	1V/7.96M	0.025	3.00
FPI0504BM-2R2M	2.20	±20	1V/7.96M	0.030	2.80
FPI0504BM-2R7M	2.70	±20	1V/7.96M	0.035	2.60
FPI0504BM-3R3M	3.30	±20	1V/7.96M	0.040	2.50
FPI0504BM-3R6M	3.60	±20	1V/7.96M	0.045	2.40
FPI0504BM-3R9M	3.90	±20	1V/7.96M	0.050	2.30
FPI0504BM-4R7M	4.70	±20	1V/7.96M	0.060	2.60
FPI0504BM-5R6M	5.60	±20	1V/7.96M	0.070	2.40
FPI0504BM-6R8M	6.80	±20	1V/7.96M	0.080	2.20
FPI0504BM-8R2M	8.20	±20	1V/7.96M	0.080	2.00
FPI0504BM-100M	10.0	±20	1V/2.52M	0.090	1.80
FPI0504BM-120M	12.0	±20	1V/2.52M	0.100	1.60
FPI0504BM-150M	15.0	±20	1V/2.52M	0.120	1.50
FPI0504BM-180M	18.0	±20	1V/2.52M	0.150	1.40
FPI0504BM-220M	22.0	±20	1V/2.52M	0.180	1.30
FPI0504BM-270M	27.0	±20	1V/2.52M	0.220	1.20
FPI0504BM-330M	33.0	±20	1V/2.52M	0.260	1.00

Note:

1.Saturation Current (Isat) will cause L0 to drop approximately 35%.

FPI0504BM Series

(2220 inch -40～+125℃)

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) max.	IDC (A) max.
FPI0504BM-390M	39.0	±20	1V/2.52M	0.300	0.90
FPI0504BM-470M	47.0	±20	1V/2.52M	0.350	0.85
FPI0504BM-560M	56.0	±20	1V/2.52M	0.400	0.80
FPI0504BM-680M	68.0	±20	1V/2.52M	0.450	0.70
FPI0504BM-820M	82.0	±20	1V/2.52M	0.500	0.70
FPI0504BM-101M	100	±20	1V/1K	0.700	0.60
FPI0504BM-121M	120	±20	1V/1K	0.750	0.60

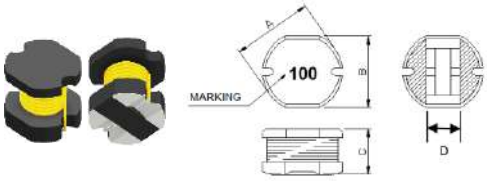
Note:

1.Saturation Current (Isat) will cause L0 to drop approximately 35%.

FPI0703BM Series

(3027 inch -40～+125℃)

■ Dimensions



Dimensions	
A	7.80±0.30
B	7.00±0.30
C	3.50±0.30
D	2.60±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) max.	IDC (A) max.
FPI0703BM-100M	10.0	±20	1V/2.52M	0.0803	1.44
FPI0703BM-120M	12.0	±20	1V/2.52M	0.0897	1.39
FPI0703BM-150M	15.0	±20	1V/2.52M	0.1040	1.24
FPI0703BM-180M	18.0	±20	1V/2.52M	0.1110	1.12
FPI0703BM-220M	22.0	±20	1V/2.52M	0.1290	1.07
FPI0703BM-270M	27.0	±20	1V/2.52M	0.1530	0.97
FPI0703BM-330M	33.0	±20	1V/2.52M	0.1700	0.85
FPI0703BM-390M	39.0	±20	1V/2.52M	0.2170	0.74
FPI0703BM-470M	47.0	±20	1V/2.52M	0.2520	0.68
FPI0703BM-560K	56.0	±10	1V/2.52M	0.2820	0.64
FPI0703BM-680K	68.0	±10	1V/2.52M	0.3320	0.59
FPI0703BM-820K	82.0	±10	1V/2.52M	0.4060	0.54
FPI0703BM-101K	100	±10	1V/1K	0.4810	0.51
FPI0703BM-121K	120	±10	1V/1K	0.5360	0.49
FPI0703BM-151K	150	±10	1V/1K	0.7550	0.40
FPI0703BM-181K	180	±10	1V/1K	1.0220	0.36
FPI0703BM-221K	220	±10	1V/1K	1.2000	0.31
FPI0703BM-271K	270	±10	1V/1K	1.3060	0.29
FPI0703BM-331K	330	±10	1V/1K	1.4950	0.28

Note:

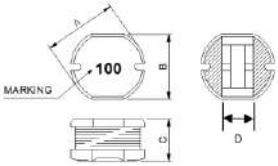
1.Saturation Current (Isat) will cause L0 to drop approximately 35%.

Power Inductors

FPI0705BM Series

(3027 inch -40～+125℃)

■ Dimensions



Dimensions	
A	7.80±0.30
B	7.00±0.30
C	5.00±0.30
D	2.60±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) max.	IDC (A) max.
FPI 0705BM-3R3M	3.30	±20	1V/7.96M	0.030	4.60
FPI 0705BM-4R7M	4.70	±20	1V/7.96M	0.040	4.20
FPI 0705BM-6R8M	6.80	±20	1V/7.96M	0.050	3.40
FPI 0705BM-8R2M	8.20	±20	1V/7.96M	0.060	3.00
FPI 0705BM-100M	10.0	±20	1V/2.52M	0.070	2.30
FPI 0705BM-120M	12.0	±20	1V/2.52M	0.080	2.00
FPI 0705BM-150M	15.0	±20	1V/2.52M	0.090	1.80
FPI 0705BM-180M	18.0	±20	1V/2.52M	0.100	1.60
FPI 0705BM-220M	22.0	±20	1V/2.52M	0.110	1.50
FPI 0705BM-270M	27.0	±20	1V/2.52M	0.120	1.30
FPI 0705BM-300M	30.0	±20	1V/2.52M	0.125	1.25
FPI 0705BM-330M	33.0	±20	1V/2.52M	0.130	1.20
FPI 0705BM-390M	39.0	±20	1V/2.52M	0.160	1.10
FPI 0705BM-470K	47.0	±10	1V/2.52M	0.180	1.10
FPI 0705BM-560K	56.0	±10	1V/2.52M	0.240	0.94
FPI 0705BM-680K	68.0	±10	1V/2.52M	0.280	0.85
FPI 0705BM-820K	82.0	±10	1V/2.52M	0.370	0.78
FPI 0705BM-101K	100	±10	1V/1K	0.430	0.72
FPI 0705BM-121K	120	±10	1V/1K	0.470	0.66
FPI 0705BM-151K	150	±10	1V/1K	0.640	0.58
FPI 0705BM-181K	180	±10	1V/1K	0.710	0.51

Note:

1.Saturation Current (Isat) will cause L0 to drop approximately 35%.

FPI0705BM Series

(3027 inch -40～+125℃)

■ Specifications

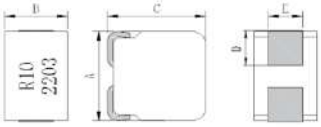
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) max.	IDC (A) max.
FPI 0705BM-221K	220	±10	1V/1K	0.960	0.49
FPI 0705BM-271K	270	±10	1V/1K	1.110	0.42
FPI 0705BM-331K	330	±10	1V/1K	1.260	0.40
FPI 0705BM-391K	390	±10	1V/1K	1.770	0.36
FPI 0705BM-471K	470	±10	1V/1K	1.960	0.34

Note:

1.Saturation Current (Isat) will cause L0 to drop approximately 35%.

TVMP106410LN Series (4025 inch -40~+125℃)

■ Dimensions



Dimensions	
A	10.0±0.30
B	6.20±0.20
C	9.80±0.20
D	3.90±0.30
E	3.50±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat 1 (A) typ.	I sat 2 (A) typ.	I rms (A) typ.
TVMP106410LN-R10MN-D	0.10	±20	1V/100K	0.130	0.143	140.0	183.0	112.0

Note:

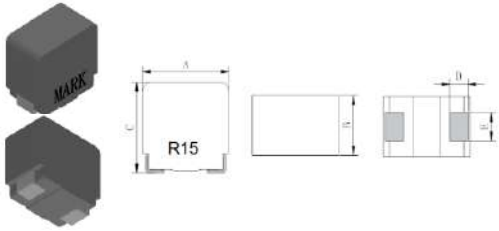
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃

2.Saturation Current (Isat1) will cause L0 to drop approximately 20%.

3.Saturation Current (Isat2) will cause L0 to drop approximately 30%.

TVMP116799LN Series (4325 inch -40~+125℃)

■ Dimensions



Dimensions	
A	11.0±0.30
B	6.40±0.30
C	9.60±0.30
D	2.30±0.30
E	3.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±10%	I sat (A) typ.	I rms (A) typ.
TVMP116799S-R15MN-R3810	0.15	±20	1V/100K	0.38	90.0	55.0
TVMP116799S-R15MN-R4610	0.15	±20	1V/100K	0.46	85.0	39.0
TVMP116799S-R15MN-R4110	0.15	±20	1V/100K	0.41	90.0	40.0
TVMP116799S-R22MN-R6810	0.22	±20	1V/100K	0.68	80.0	37.0
TVMP116799S-R33MN-R8410	0.33	±20	1V/100K	0.84	75.0	35.0

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃

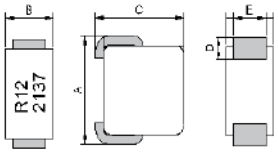
2.Saturation Current (Isat1) will cause L0 to drop approximately 20%.

3.Saturation Current (Isat2) will cause L0 to drop approximately 30%.

Vertical and Coupled Inductors

TVMP120611LN Series (5026 inch -40~+125℃)

■ Dimensions



Dimensions	
A	12.7±0.40
B	5.80±0.20
C	11.2±0.30
D	3.30±0.30
E	4.20±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±7%	I sat (A) typ1.	I sat (A) typ2.	I rms (A) typ.	I rms (A) max.
TVMP120611LN-90NMN-0R2407-D	0.09	±20	1V/100K	0.24	95.0	135	90.0	70.0
TVMP120611LN-R10MN-0R2407-D	0.10	±20	1V/100K	0.24	93.0	133	90.0	70.0
TVMP120611LN-R12MN-0R2407-D	0.12	±20	1V/100K	0.24	91.0	130	90.0	70.0
TVMP120611LN-R15MN-0R2407-D	0.15	±20	1V/100K	0.24	87.0	120	90.0	70.0

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃

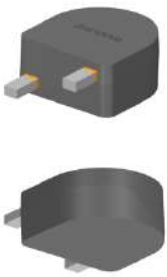
2.Saturation Current (Isat1) will cause L0 to drop approximately 20%.

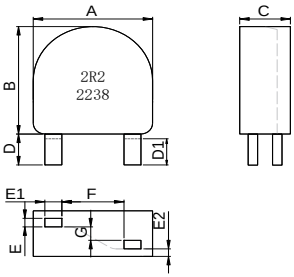
3.Saturation Current (Isat2) will cause L0 to drop approximately 30%.

THFD3822S Series

(15085 inch -40~+125℃)

■ Dimensions





Dimensions		
A	38.1±0.50	
B	38.1±0.50	
C	21.7±0.40	
D	12.8±1.00	
D1	11.5±1.00	
E	0.68uH	4.05±0.30
	0.82-3.30uH	2.55±0.30
E1	0.68uH	7.20±0.30
	0.82-3.30uH	6.60±0.30
E2	0.68uH	3.20±0.80
	0.82-3.30uH	3.90±0.80
F	0.68uH	14.5±0.80
	0.82-3.30uH	15.1±0.80
G	0.68uH	7.30±0.80
	0.82-3.30uH	8.90±0.80

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) 1	I sat (A) 2	I rms (A)40℃ rise	I rms (A)1 00℃ rise
THFD3822S-R68MN-D	0.68	±20	2.0V/500K	0.11	0.13	301	420	154	235
THFD3822S-R82MN-D	0.82	±20	2.0V/500K	0.18	0.20	235	332	132	196
THFD3822S-1R5MN-D	1.50	±20	2.0V/500K	0.25	0.26	138	193	120	175
THFD3822S-2R2MN-D	2.20	±20	2.0V/500K	0.33	0.36	104	150	115	168
THFD3822S-3R3MN-D	3.30	±20	2.0V/500K	0.40	0.42	87	124	96	150

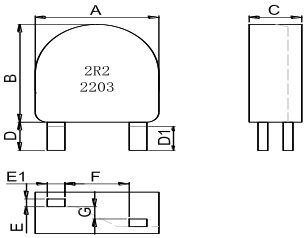
Note:

1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

THFD5022S Series

(20085 inch -40~+125℃)

■ Dimensions



Dimensions	
A	51.0±0.30
B	51.0±0.30
C	21.6±0.40
D	12.8±0.80
D1	11.5±0.80
E	4.00±0.25
E1	7.00±0.25
F	25.0±0.25
G	7.10±0.40

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) 1	I sat (A) 2	I rms (A)40℃ rise	I rms (A)100℃ rise
THFD5022S-2R2MN-D	2.20	±20	1V/500K	0.21	0.23	190	280	125	187

Note:

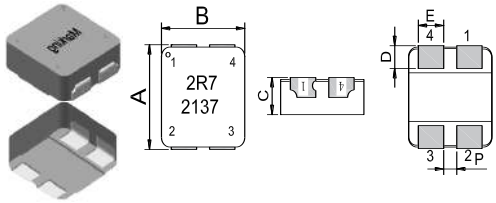
1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Vertical and Coupled Inductors

TTMP1004X4 Series

(4340 inch -40~+125℃)

■ Dimensions



Dimensions	
A	11.0±0.30
B	10.2±0.20
C	9.80±0.20
D	2.20±0.30
E	2.80±0.20
P	2.00±0.20

Units: mm

■ Specifications

Part Number	Test method	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I rms (A) typ.
TTMP1004X4-2R2MN-D	L1-2	2.20	±20	1V/100K	12.0	15.0	11.0	15.0
	L3-4	2.20	±20	1V/100K	15.6	17.5	15.0	10.0
	L1-4 (L2-3 shorted)	9.00	±20	1V/100K	32.6	35.0	6.00	6.00
	L1-3 (L2-4 shorted)	0.72	±20	1V/100K	32.6	35.0	See note ※	5.40
	LCommon Mode (1-3 and 2-4 shorted)	2.20	±20	1V/100K	7.20	8.70	14.0	13.3
	LDifferential Mode (1-4 and 2-3 shorted)	0.22	±20	1V/100K	7.20	8.70	See note ※	13.3
TTMP1004X4-2R7MN-D	L1-2	2.70	±20	1V/100K	15.5	17.0	11.0	9.50
	L3-4	2.70	±20	1V/100K	15.5	17.0	15.0	9.00
	L1-4 (L2-3 shorted)	10.0	±20	1V/100K	32.6	34.9	6.50	6.50
	L1-3 (L2-4 shorted)	0.65	±20	1V/100K	32.6	34.9	See note ※	6.50
	LCommon Mode (1-3 and 2-4 shorted)	2.70	±20	1V/100K	8.40	9.30	14.5	13.25
	LDifferential Mode (1-4 and 2-3 shorted)	0.21	±20	1V/100K	8.40	9.30	See note ※	13.25

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

※ In this configuration, current flowing opposite directions through coils cancels and the 0.65μH inductance is very stable with varying current. Observe the heat rating current to avoid excessive temperature rise in this configuration

TTMP1004X4 Series

(4340 inch -40~+125℃)

■ Specifications

Part Number	Test method	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I rms (A) typ.
TTMP1004X4-4R7MN-D	L1-2	4.70	±20	1V/100K	30.0	33.0	10.0	7.20
	L3-4	4.70	±20	1V/100K	30.5	33.6	10.5	7.20
	L1-4 (L2-3 shorted)	17.0	±20	1V/100K	61.0	65.0	5.50	5.00
	L1-3 (L2-4 shorted)	1.00	±20	1V/100K	61.0	65.0	See note ※	4.00
	LCommon Mode (1-3 and 2-4 shorted)	4.70	±20	1V/100K	15.5	17.1	12.0	10.0
	LDifferential Mode (1-4 and 2-3 shorted)	0.28	±20	1V/100K	15.5	17.1	See note ※	10.0
TTMP1004X4-100MN-D	L1-2	10.0	±20	1V/100K	80.0	92.0	8.00	4.50
	L3-4	10.0	±20	1V/100K	83.6	92.0	9.00	4.50
	L1-4 (L2-3 shorted)	38.0	±20	1V/100K	165.0	185	4.00	3.10
	L1-3 (L2-4 shorted)	1.00	±20	1V/100K	165.0	185	See note ※	3.10
	LCommon Mode (1-3 and 2-4 shorted)	10.0	±20	1V/100K	42.0	47.0	7.50	6.00
	LDifferential Mode (1-4 and 2-3 shorted)	0.40	±20	1V/100K	42.0	47.0	See note ※	6.00
TTMP1004X4-150MN-D	L1-2	15.0	±20	1V/100K	95.0	110	6.20	3.80
	L3-4	15.0	±20	1V/100K	107	118	7.50	4.00
	L1-4 (L2-3 shorted)	61.0	±20	1V/100K	210	235	3.50	2.70
	L1-3 (L2-4 shorted)	1.00	±20	1V/100K	210	235	See note ※	2.70
	LCommon Mode (1-3 and 2-4 shorted)	15.0	±20	1V/100K	51.0	56.1	7.30	5.50
	LDifferential Mode (1-4 and 2-3 shorted)	0.00	±20	1V/100K	51.0	56.1	See note ※	5.50
TTMP1004X4-220MN-D	L1-2	22.0	±20	1V/100K	175	193	5.50	2.80
	L3-4	22.0	±20	1V/100K	165	182	5.50	3.00
	L1-4 (L2-3 shorted)	90.0	±20	1V/100K	346	380	2.80	1.90
	L1-3 (L2-4 shorted)	2.20	±20	1V/100K	338	372	See note ※	1.90
	LCommon Mode (1-3 and 2-4 shorted)	22.0	±20	1V/100K	85.0	93.5	6.00	3.80
	LDifferential Mode (1-4 and 2-3 shorted)	0.63	±20	1V/100K	85.0	93.5	See note ※	4.00

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

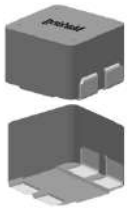
※ In this configuration, current flowing opposite directions through coils cancels and the 0.65μH inductance is very stable with varying current. Observe the heat rating current to avoid excessive temperature rise in this configuration

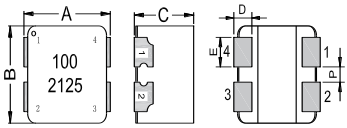
Vertical and Coupled Inductors

TTMP1008N4 Series

(4340 inch -40 ~+125℃)

■ Dimensions





Dimensions	
A	11.4±0.30
B	10.2±0.30
C	7.70±0.30
D	2.40±0.30
E	3.10±0.20
P	1.60±0.25

Units: mm

■ Specifications

Part Number	Inductance (uH) Pin1-3 Pin2-4	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TTMP1008N4-100MN-D	10.0	±20	1V/100K	31.0	37.2	12.5	10.6	6.50	5.80
TTMP1008N4-150MN-D	15.0	±20	1V/100K	39.0	46.8	10.8	9.30	5.60	4.80
TTMP1008N4-220MN-D	22.0	±20	1V/100K	83.0	99.0	8.50	7.50	4.50	3.80
TTMP1008N4-330MN-D	33.0	±20	1V/100K	95.0	114	7.30	6.50	4.10	3.30
TTMP1008N4-470MN-D	47.0	±20	1V/100K	108	130	6.30	5.40	3.60	3.00

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃

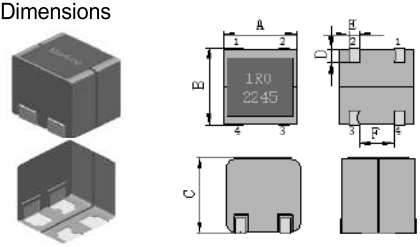
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Vertical and Coupled Inductors

TTMA1010P4 Series

(3539 inch -40~+125℃)

■ Dimensions



Dimensions	
A	9.00±0.50
B	10.0±0.50
C	10.0Max
D	1.90±0.50
E	1.30±0.30
F	4.20±0.50

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TTMA1010P4-3R3MN-D	3.30	±20	1V/100K	7.3	8.8	15.0	13.0	14.0	12.0
TTMA1010P4-100MN-D	10.0	±20	1V/100K	18.0	22.0	10.0	9.0	8.0	7.0
TTMA1010P4-150MN-D	15.0	±20	1V/100K	32.5	39.0	6.0	5.0	6.0	5.0

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃

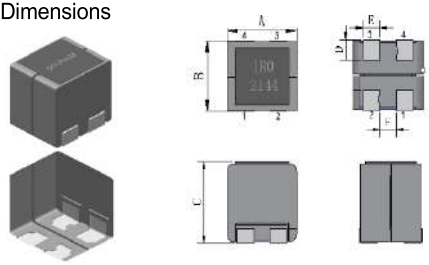
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Vertical and Coupled Inductors

TTMA1094P4 Series

(4036 inch -40~+125℃)

■ Dimensions



Dimensions	
A	10.2±0.20
B	9.20±0.30
C	10.85±0.20
D	2.65±0.20
E	2.50±0.20
F	2.40±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TTMA1094P4-1R0MG-D	1.00	±20	1V/100K	3.30	4.00	50.0	43.0	21.0	18.0
TTMA1094P4-2R2MG-D	2.20	±20	1V/100K	5.00	6.00	32.0	27.5	18.0	15.0
TTMA1094P4-3R3MG-D	3.30	±20	1V/100K	7.50	8.60	26.0	23.4	14.0	12.0
TTMA1094P4-5R6MG-D	5.60	±20	1V/100K	14.0	16.8	20.0	18.0	11.0	9.00
TTMA1094P4-100MG-D	10.0	±20	1V/100K	20.0	24.0	14.0	12.0	8.00	7.00
TTMA1094P4-150MG-D	15.0	±20	1V/100K	34.0	40.8	9.50	8.50	6.00	5.00

Note:

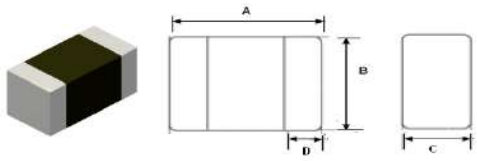
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductor

AWP252010FW Series (0907 inch -40~+125℃)

■ Dimensions



Dimensions	
A	2.50±0.20
B	2.00±0.20
C	1.00max
D	0.50±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
AWP252010FW-R24M	0.24	±20	1V/1M	18	22	6.30	5.60	5.70	5.00
AWP252010FW-R36M	0.36	±20	1V/1M	23	28	4.90	4.50	4.70	4.30
AWP252010FW-R47M	0.47	±20	1V/1M	28	34	4.50	4.20	4.40	4.00
AWP252010FW-R68M	0.68	±20	1V/1M	34	41	4.30	3.80	4.20	3.60
AWP252010FW-R82M	0.82	±20	1V/1M	40	48	4.00	3.50	3.80	3.30
AWP252010FW-1R0M	1.00	±20	1V/1M	52	62	3.70	3.35	3.40	3.00
AWP252010FW-1R5M	1.50	±20	1V/1M	82	98	2.90	2.60	2.60	2.20
AWP252010FW-2R2M	2.20	±20	1V/1M	105	126	2.30	1.90	2.20	1.80
AWP252010FW-3R3M	3.30	±20	1V/1M	130	156	2.10	1.70	2.00	1.60
AWP252010FW-4R7M	4.70	±20	1V/1M	230	264	1.60	1.30	1.40	1.20

Note:

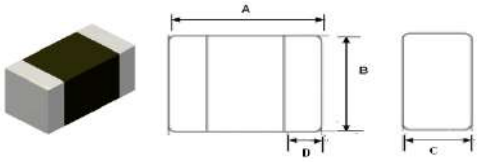
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductor

AWP252012FW Series (0907 inch -40~+125℃)

■ Dimensions



Dimensions	
A	2.50±0.20
B	2.00±0.20
C	1.20max
D	0.55±0.25

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
AWP252012FW-R24M	0.24	±20	1V/1M	15	18	7.50	6.50	6.20	5.50
AWP252012FW-R36M	0.36	±20	1V/1M	17	21	6.10	5.60	5.40	4.70
AWP252012FW-R47M	0.47	±20	1V/1M	21	25	5.50	4.60	5.00	4.40
AWP252012FW-R56M	0.56	±20	1V/1M	24	29	5.00	4.50	4.80	4.10
AWP252012FW-R68M	0.68	±20	1V/1M	28	34	4.60	4.00	4.50	3.90
AWP252012FW-R82M	0.82	±20	1V/1M	32	39	4.30	3.80	4.10	3.60
AWP252012FW-1R0M	1.00	±20	1V/1M	37	45	4.00	3.60	3.70	3.30
AWP252012FW-1R5M	1.50	±20	1V/1M	60	72	3.30	2.90	3.00	2.60
AWP252012FW-2R2M	2.20	±20	1V/1M	81	98	2.60	2.30	2.50	2.20
AWP252012FW-3R3M	3.30	±20	1V/1M	112	134	2.30	2.10	2.20	1.90
AWP252012FW-4R7M	4.70	±20	1V/1M	175	210	1.80	1.60	1.80	1.60

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

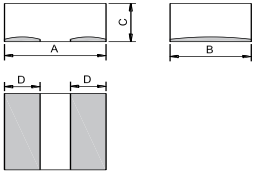
2..Saturation Current (Isat) will cause L0 to drop approximately 30%.

Mini Molding Type High Current Power Inductors

TMIM201610A Series

(0806 inch -40~+125℃)

■ Dimensions



Dimensions	
A	2.00±0.30
B	1.60±0.30
C	0.80±0.20
D	0.70±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMIM201610A-R22MG	0.22	±20	1V/100K	10.5	12.6	8.0	7.0	7.0	6.0
TMIM201610A-R24MG	0.24	±20	1V/100K	18.0	20.5	7.70	6.70	6.50	5.50
TMIM201610A-R33MG	0.33	±20	1V/100K	21.0	26.0	7.00	6.20	5.70	5.20
TMIM201610A-R47MG	0.47	±20	1V/100K	28.0	32.0	6.00	5.30	5.30	4.70
TMIM201610A-R68MG	0.68	±20	1V/100K	44.0	50.0	5.00	4.40	4.00	3.40
TMIM201610A-1R0MG	1.00	±20	1V/100K	49.0	59.0	4.40	3.80	3.60	3.20
TMIM201610A-1R5MG	1.50	±20	1V/100K	80.0	96.0	3.00	2.70	2.60	2.30
TMIM201610A-2R2MG	2.20	±20	1V/100K	130	150	2.65	2.45	2.30	2.00

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

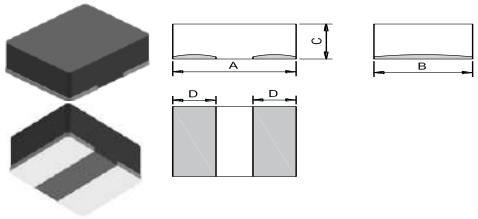
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Mini Molding Type High Current Power Inductors

TMIM201612A Series

(0806 inch -40~+125℃)

■ Dimensions



Dimensions	
A	2.00±0.30
B	1.60±0.30
C	1.00±0.20
D	0.70±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMIM201612A-R22MG	0.22	±20	1V/100K	10.0	13.0	8.00	7.00	7.00	6.00
TMIM201612A-R33MG	0.33	±20	1V/100K	15.0	18.0	7.00	6.20	5.90	5.30
TMIM201612A-R47MG	0.47	±20	1V/100K	20.0	26.0	6.00	5.30	5.40	4.80
TMIM201612A-R68MG	0.68	±20	1V/100K	30.0	36.0	5.00	4.40	4.20	3.70
TMIM201612A-1R0MG	1.00	±20	1V/100K	40.0	48.0	4.50	4.00	3.70	3.30
TMIM201612A-1R5MG	1.50	±20	1V/100K	70.0	84.0	3.10	2.80	2.90	2.50
TMIM201612A-2R2MG	2.20	±20	1V/100K	105	126	2.70	2.50	2.50	2.10

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

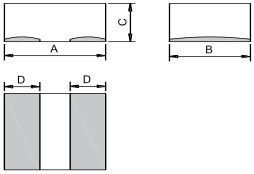
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Mini Molding Type High Current Power Inductors

TMIM252010A Series

(1008 inch -40~+125℃)

■ Dimensions



Dimensions	
A	2.50±0.30
B	2.00±0.30
C	0.80±0.20
D	0.90±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMIM252010A-R22MG	0.22	±20	1V/100K	12	15	7.7	7.0	7.2	6.6
TMIM252010A-R33MG	0.33	±20	1V/100K	16	19	7.2	6.4	6.6	6.0
TMIM252010A-R47MG	0.47	±20	1V/100K	20	24	6.0	5.4	5.8	5.1
TMIM252010A-R68MG	0.68	±20	1V/100K	25	30	5.2	4.8	5.1	4.7
TMIM252010A-1R0MG	1.00	±20	1V/100K	42	50.4	4.6	3.8	4.3	4.0
TMIM252010A-1R5MG	1.50	±20	1V/100K	60	72	3.5	3.2	3.3	3.0
TMIM252010A-2R2MG	2.20	±20	1V/100K	85	102	3.0	2.7	2.8	2.5
TMIM252010A-3R3MG	3.30	±20	1V/100K	130	156	2.1	1.8	2.0	1.7

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

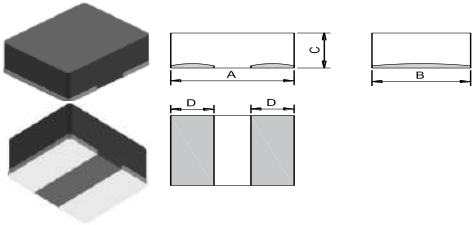
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Mini Molding Type High Current Power Inductors

TMIM252012A Series

(1008 inch -40~+125℃)

■ Dimensions



Dimensions	
A	2.50±0.30
B	2.00±0.30
C	1.00±0.20
D	0.90±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMIM252012A-R24MG	0.24	±20	1V/100K	11.0	13.2	7.80	7.20	7.30	6.80
TMIM252012A-R33MG	0.33	±20	1V/100K	14.0	17.0	7.50	6.80	6.80	6.30
TMIM252012A-R36MG	0.36	±20	1V/100K	14.0	17.0	7.50	6.80	6.80	6.30
TMIM252012A-R47MG	0.47	±20	1V/100K	15.0	18.0	6.20	5.60	6.20	5.60
TMIM252012A-R68MG	0.68	±20	1V/100K	23.0	27.6	5.50	5.00	5.30	4.90
TMIM252012A-1R0MG	1.00	±20	1V/100K	33.0	39.6	5.00	4.20	4.50	4.20
TMIM252012A-1R5MG	1.50	±20	1V/100K	43.0	51.6	4.00	3.50	3.70	3.40
TMIM252012A-2R2MG	2.20	±20	1V/100K	66.0	79.2	3.40	3.10	3.10	2.80
TMIM252012A-3R3MG	3.20	±20	1V/100K	115	138	3.00	2.70	2.40	2.20
TMIM252012A-4R7MG	4.70	±20	1V/100K	170	204	2.80	2.50	2.00	1.80

Note:

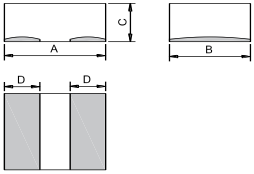
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Mini Molding Type High Current Power Inductors

TMIM322510A Series (1310 inch -40~+125℃)

■ Dimensions



Dimensions	
A	3.20±0.30
B	2.50±0.30
C	0.80±0.20
D	1.10±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMIM322510A-R33MG	0.33	±20	1V/100K	15.0	18.0	8.0	7.0	7.0	6.0
TMIM322510A-R47MG	0.47	±20	1V/100K	18.0	21.6	6.5	5.5	6.0	5.5
TMIM322510A-R68MG	0.68	±20	1V/100K	22.0	26.4	6.0	5.2	5.5	5.0
TMIM322510A-1R0MG	1.00	±20	1V/100K	30.0	36.0	4.8	4.0	4.8	4.0
TMIM322510A-1R5MG	1.50	±20	1V/100K	48.3	58.0	4.3	3.8	3.8	3.2
TMIM322510A-2R2MG	2.20	±20	1V/100K	67.0	80.4	3.6	3.3	3.1	2.7
TMIM322510A-3R3MG	3.30	±20	1V/100K	100.0	120.0	3.1	2.8	2.5	2.1
TMIM322510A-4R7MG	4.70	±20	1V/100K	143.0	172.0	2.2	1.9	2.0	1.7

Note:

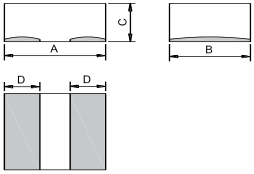
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Mini Molding Type High Current Power Inductors

TMIM322512A Series (1310 inch -40~+125℃)

■ Dimensions



Dimensions	
A	3.20±0.30
B	2.50±0.30
C	1.00±0.20
D	1.10±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMIM322512A-R22MG	0.22	±20	1V/100K	7.40	8.50	9.30	8.70	9.50	9.00
TMIM322512A-R33MG	0.33	±20	1V/100K	10.0	13.0	9.10	8.50	8.50	8.00
TMIM322512A-R47MG	0.47	±20	1V/100K	16.0	19.2	8.20	7.40	7.00	6.50
TMIM322512A-R68MG	0.68	±20	1V/100K	20.0	24.0	7.30	6.80	6.20	5.70
TMIM322512A-1R0MG	1.00	±20	1V/100K	26.0	32.0	6.50	5.70	5.50	5.00
TMIM322512A-1R5MG	1.50	±20	1V/100K	44.0	53.0	5.00	4.50	4.40	3.90
TMIM322512A-2R2MG	2.20	±20	1V/100K	61.0	73.0	4.80	4.30	4.00	3.60
TMIM322512A-3R3MG	3.30	±20	1V/100K	87.0	101	3.40	3.00	3.10	2.80
TMIM322512A-4R7MG	4.70	±20	1V/100K	122	146	2.80	2.40	2.20	1.90

Note:

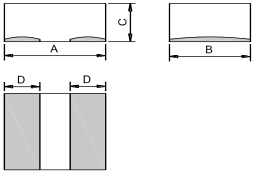
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Mini Molding Type High Current Power Inductors

TMIM322512AL Series (1310 inch -40~+125℃)

■ Dimensions



Dimensions	
A	3.20±0.30
B	2.50±0.30
C	1.00±0.20
D	1.10±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMIM322512AL-R33MG	0.33	±20	1V/100K	9.0	11.0	10.2	9.3	9.0	8.5
TMIM322512AL-R45MG	0.45	±20	1V/100K	12.0	14.4	10.0	8.7	8.0	7.5
TMIM322512AL-R62MG	0.62	±20	1V/100K	15.0	18.0	8.5	7.7	7.3	6.6
TMIM322512AL-1R0MG	1.00	±20	1V/100K	18.8	22.6	6.9	6.2	6.0	5.5
TMIM322512AL-1R5MG	1.5	±20	1V/100K	35.0	42.0	5.6	5.2	5.0	4.5
TMIM322512AL-2R2MG	2.2	±20	1V/100K	48.0	58.0	5.0	4.5	4.5	4.0
TMIM322512AL-3R0MG	3.0	±20	1V/100K	64.0	77.0	4.0	3.6	4.0	3.5
TMIM322512AL-4R7MG	4.7	±20	1V/100K	90	108	3.1	2.8	3.0	2.6
TMIM322512AL-6R8MG	6.8	±20	1V/100K	130	156	2.6	2.4	2.5	2.2

Note:

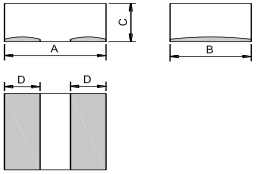
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Mini Molding Type High Current Power Inductors

TMIM322520A Series (1310 inch -40~+125℃)

■ Dimensions



Dimensions	
A	3.20±0.30
B	2.50±0.30
C	1.80±0.20
D	1.10±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMIM322520A-R33MG	0.33	±20	1V/100K	8.00	9.60	11.0	10.0	8.50	8.00
TMIM322520A-R47MG	0.47	±20	1V/100K	9.30	11.2	9.00	8.00	8.00	7.50
TMIM322520A-R68MG	0.68	±20	1V/100K	13.3	16.0	8.00	7.00	7.00	6.40
TMIM322520A-1R0MG	1.00	±20	1V/100K	18.3	22.0	7.50	6.20	6.20	5.80
TMIM322520A-1R5MG	1.50	±20	1V/100K	25.8	31.0	6.00	5.00	5.30	4.80

Note:

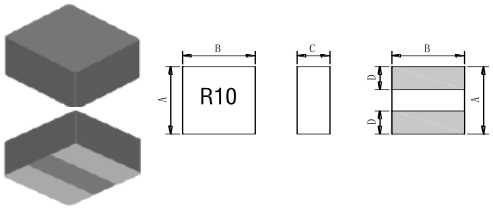
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Mini Molding Type High Current Power Inductors

TMIM353220A Series (1312 inch -40~+125℃)

■ Dimensions



Dimensions	
A	3.50±0.20
B	3.20±0.20
C	1.80±0.20
D	1.20±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMIM353220A-R07MG	0.07	±20	1V/100K	2.45	2.85	25.0	23.0	18.0	16.0
TMIM353220A-R15MG	0.15	±20	1V/100K	3.5	4.2	17.0	15.0	17.0	15.0
TMIM353220A-R30MG	0.30	±20	1V/100K	5.5	6.6	14.0	12.0	15.0	13.0
TMIM353220A-R47MG	0.47	±20	1V/100K	7.5	9.0	12.0	10.0	13.0	12.0
TMIM353220A-R68MG	0.68	±20	1V/100K	9.5	11.4	10.0	9.0	11.5	10.0
TMIM353220A-1R0MG	1.0	±20	1V/100K	14	16.8	9.0	7.8	10.0	8.2
TMIM353220A-1R5MG	1.5	±20	1V/100K	17	20.4	7.5	6.6	8.5	7.3
TMIM353220A-2R2MG	2.2	±20	1V/100K	27.5	33.0	6.0	5.2	7.0	6.0
TMIM353220A-3R3MG	3.3	±20	1V/100K	36	43.2	5.0	4.2	6.0	5.2
TMIM353220A-4R7MG	4.7	±20	1V/100K	53	63.6	4.0	3.5	4.8	4.1
TMIM353220A-6R8MG	6.8	±20	1V/100K	90	103.5	3.0	2.6	3.9	3.2
TMIM353220A-100MG	10.0	±20	1V/100K	133	160	2.5	2.2	3.2	2.6

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

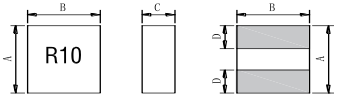
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Mini Molding Type High Current Power Inductors

TMIM0302A Series

(1312 inch -40~+125℃)

■ Dimensions



Dimensions	
A	3.30±0.20
B	3.10±0.20
C	1.80±0.20
D	1.10±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMIM0302A-R12MG	0.12	±20	1V/100K	3.5	4.2	16.0	14.0	15.0	13.0
TMIM0302A-1R0MG	1.00	±20	1V/100K	20.0	24.0	6.5	5.5	5.4	4.4

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

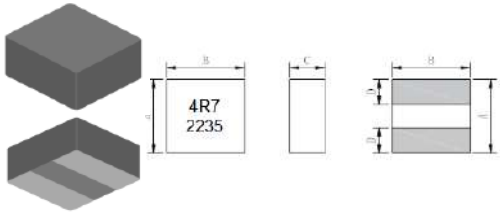
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Mini Molding Type High Current Power Inductors

TMIM0412A Series

(1616inch -40~+125℃)

■ Dimensions



Dimensions	
A	4.10±0.30
B	4.10±0.30
C	1.00±0.20
D	1.30±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMIM0412A-R68MG-D	0.68	±20	1V/100K	16	19.6	10.0	9.0	8.0	7.0
TMIM0412A-1R0MG-D	1.0	±20	1V/100K	23	27.6	8.5	7.5	7.0	6.5
TMIM0412A-1R5MG-D	1.5	±20	1V/100K	30	36	7.0	6.0	6.0	5.0
TMIM0412A-2R2MG-D	2.2	±20	1V/100K	40	48	5.5	5.0	5.0	4.5
TMIM0412A-2R6MG-D	2.6	±20	1V/100K	47	57	5.0	4.5	4.6	4.1
TMIM0412A-3R3MG-D	3.3	±20	1V/100K	60	72	3.8	3.3	3.4	3.1
TMIM0412A-4R7MG-D	4.7	±20	1V/100K	85	100	3.5	3.0	3.1	2.8
TMIM0412A-6R3MG-D	6.3	±20	1V/100K	105	126	3.0	2.6	3.3	2.9
TMIM0412A-100MG-D	10.0	±20	1V/100K	165	198	2.3	2.0	2.4	2.1

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

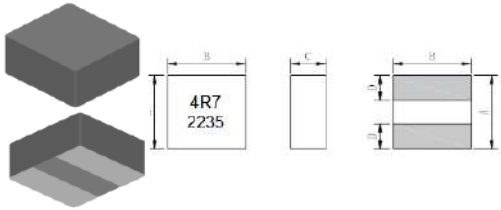
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Mini Molding Type High Current Power Inductors

TMIM0402S Series

(1616 inch -40~+125℃)

■ Dimensions



Dimensions	
A	4.10±0.30
B	4.10±0.30
C	1.80±0.20
D	1.30±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMIM0402S-R33MG-D	0.33	±20	1V/100K	3.3	4.0	18.0	16.0	17.0	15.0
TMIM0402S-R47MG-D	0.47	±20	1V/100K	4.5	5.4	16.0	14.0	16.0	14.0
TMIM0402S-R68MG-D	0.68	±20	1V/100K	5.5	6.6	13.0	11.0	13.0	11.0
TMIM0402S-1R0MG-D	1.0	±20	1V/100K	8.2	9.0	11.0	9.5	12.0	10.0
TMIM0402S-1R5MG-D	1.5	±20	1V/100K	12.5	15	8.5	7.6	10.0	9.0
TMIM0402S-2R2MG-D	2.2	±20	1V/100K	17.5	21	7.2	6.5	9.0	8.0

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

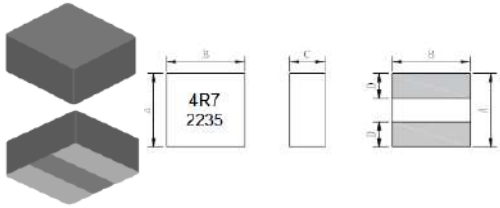
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Mini Molding Type High Current Power Inductors

TMIM0403S Series

(1616 inch -40~+125℃)

■ Dimensions



Dimensions	
A	4.20±0.30
B	4.20±0.30
C	2.80±0.20
D	1.30±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMIM0403S-3R3MG-D	3.3	±20	1V/100K	17.2	20.7	7.5	6.5	10.0	9.0
TMIM0403S-4R7MG-D	4.7	±20	1V/100K	27	32.4	5.8	5.1	6.6	5.9

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

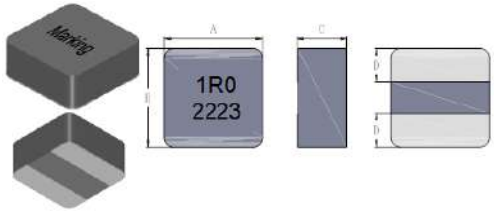
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Mini Molding Type High Current Power Inductors

TMIM0503S Series

(2120 inch -40~+125℃)

■ Dimensions



Dimensions	
A	5.50±0.20
B	5.30±0.20
C	2.80±0.20
D	1.80±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMIM0503S-R20MG-D	0.20	±20	1V/100K	1.3	1.6	31.0	28.0	26.0	23.0
TMIM0503S-R33MG-D	0.33	±20	1V/100K	1.7	2.1	28.0	25.0	23.0	21.0
TMIM0503S-R36MG-D	0.36	±20	1V/100K	1.8	2.2	27.0	24.0	22.0	20.0
TMIM0503S-R47MG-D	0.47	±20	1V/100K	2.3	2.8	24.0	22.5	20.0	18.0
TMIM0503S-R56MG-D	0.56	±20	1V/100K	2.5	3.0	22.0	20.5	19.0	17.0
TMIM0503S-R68MG-D	0.68	±20	1V/100K	3.1	3.8	20.0	18.0	18.0	16.0
TMIM0503S-R88MG-D	0.88	±20	1V/100K	4.4	5.3	18.0	16.0	17.0	15.0
TMIM0503S-1R0MG-D	1.0	±20	1V/100K	4.5	5.4	17.0	15.0	16.0	14.0
TMIM0503S-1R5MG-D	1.5	±20	1V/100K	6.8	8.2	14.0	12.5	13.5	12.0
TMIM0503S-2R0MG-D	2.0	±20	1V/100K	8.5	10.2	12.5	10.5	12.0	10.0
TMIM0503S-2R2MG-D	2.2	±20	1V/100K	9.8	11.8	12.0	10.0	11.5	9.5
TMIM0503S-3R0MG-D	3.0	±20	1V/100K	11.8	14.2	10.0	9.0	10.0	9.0
TMIM0503S-3R3MG-D	3.3	±20	1V/100K	13.5	16.2	9.5	8.5	9.5	8.5

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

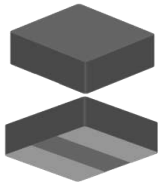
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

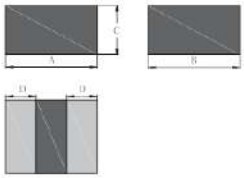
Mini Molding Type High Current Power Inductors

TMIM0302HL Series

(1310 inch -40~+125℃)

■ Dimensions





Dimensions	
A	3.00±0.20
B	3.00±0.20
C	1.80±0.20
D	1.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMIM0302HL-1R0MB	1.0	±20	1V/1M	14.0	20.0	8.0	7.3	6.5	6.0

Note:

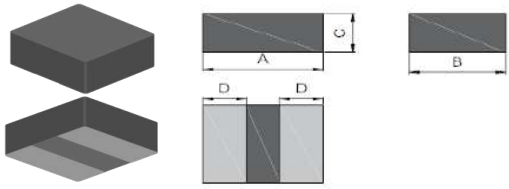
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Mini Molding Type High Current Power Inductors

TMIM322512HL Series (1209 inch -40~+125℃)

■ Dimensions



Dimensions	
A	3.20±0.30
B	2.50±0.30
C	1.00±0.20
D	1.10±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMIM322512HL-R22MB	0.22	±20	1V/1M	7.4	8.5	9.3	8.7	9.5	9.0
TMIM322512HL-R33MB	0.33	±20	1V/1M	9	12	9.2	8.6	8.5	8.0
TMIM322512HL-R47MB	0.47	±20	1V/1M	17	19	8.3	7.5	7.1	6.6
TMIM322512HL-R68MB	0.68	±20	1V/1M	19	24	7.4	6.9	6.3	5.8
TMIM322512HL-1R0MB	1.0	±20	1V/1M	26	30	6.6	5.8	5.7	5.2
TMIM322512HL-1R5MB	1.5	±20	1V/1M	40	50	5.3	5.0	4.6	4.0
TMIM322512HL-2R2MB	2.2	±20	1V/1M	58	70	4.9	4.4	4.2	3.7
TMIM322512HL-3R3MB	3.3	±20	1V/1M	75	95	3.5	3.1	3.2	2.8
TMIM322512HL-4R7MB	4.7	±20	1V/1M	115	135	2.9	2.5	2.5	2.0

Note:

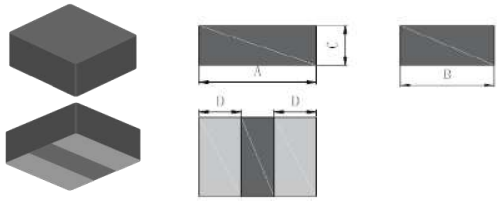
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Mini Molding Type High Current Power Inductors

TMIM141208HL Series (0504 inch -40~+125℃)

■ Dimensions



Dimensions	
A	1.40±0.30
B	1.20±0.30
C	0.70±0.10
D	0.45±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMIM141208HL-R33MB	0.33	±20	1V/1M	23.0	28.0	5.3	5.0	4.0	3.5
TMIM141208HL-R47MB	0.47	±20	1V/1M	29.0	35.0	4.6	4.2	3.8	3.3

Note:

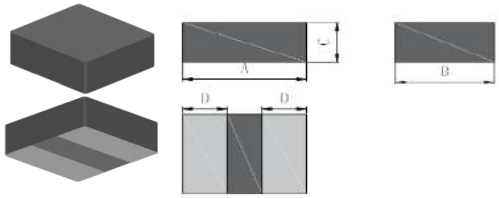
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Mini Molding Type High Current Power Inductors

TMIM141265HL Series (0504 inch -40~+125℃)

■ Dimensions



Dimensions	
A	1.40±0.30
B	1.20±0.30
C	0.55±0.10
D	0.45±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMIM141265HL-R33MB	0.33	±20	1V/1M	26	32	5.5	5.0	3.3	3.0
TMIM141265HL-R47MB	0.47	±20	1V/1M	35	42	3.4	3.1	3.0	2.7

Note:

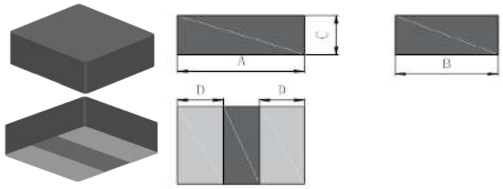
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Mini Molding Type High Current Power Inductors

TMIM160808HL Series (0603 inch -40~+125℃)

■ Dimensions



Dimensions	
A	1.60±0.30
B	0.80±0.30
C	0.70±0.10
D	0.55±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMIM160808HL-R22MB	0.22	±20	1V/1M	33	40	5.5	5.0	3.4	3.0
TMIM160808HL-R47MB	0.47	±20	1V/1M	80	100	4.7	4.2	2.8	2.5
TMIM160808HL-R56MB	0.56	±20	1V/1M	85	110	4.1	3.6	2.4	2.2
TMIM160808HL-R68MB	0.68	±20	1V/1M	115	138	3.3	3.0	2.2	2.0
TMIM160808HL-1R0MB	1.00	±20	1V/1M	180	200	3.0	2.6	2.1	1.8

Note:

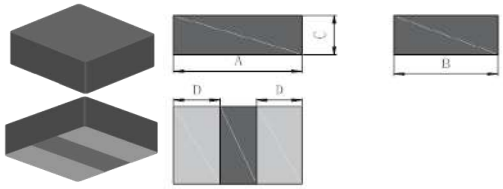
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Mini Molding Type High Current Power Inductors

TMIM201208HL Series (0704 inch -40~+125℃)

■ Dimensions



Dimensions	
A	2.00±0.30
B	1.20±0.30
C	0.70±0.10
D	0.70±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMIM201208HL-R47MB	0.47	±20	1V/1M	34	50	5.0	4.6	3.1	2.7
TMIM201208HL-1R0MB	1.0	±20	1V/1M	55	70	3.2	2.8	2.8	2.4
TMIM201208HL-2R2MB	2.2	±20	1V/1M	160	185	2.5	2.1	1.9	1.5

Note:

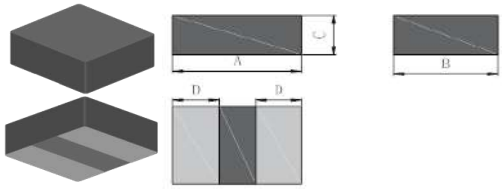
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Mini Molding Type High Current Power Inductors

TMIM201210HL Series (0704 inch -40~+125℃)

■ Dimensions



Dimensions	
A	2.00±0.30
B	1.20±0.30
C	0.80±0.20
D	0.70±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMIM201210HL-R10MB	0.10	±20	1V/1M	8.0	13.0	8.5	8.0	7.5	7.0
TMIM201210HL-R22MB	0.22	±20	1V/1M	16.0	22.0	7.3	6.8	7.1	6.5
TMIM201210HL-R24MB	0.24	±20	1V/1M	17.0	23.0	7.2	6.7	7.0	6.4
TMIM201210HL-R33MB	0.33	±20	1V/1M	24.0	32.0	6.5	6.0	5.5	5.0
TMIM201210HL-R47MB	0.47	±20	1V/1M	29.0	36.0	5.5	5.0	4.7	4.3
TMIM201210HL-R68MB	0.68	±20	1V/1M	37.0	43.0	5.0	4.5	4.3	4.0
TMIM201210HL-1R0MB	1.0	±20	1V/1M	55.0	63.0	4.0	3.5	3.9	3.5
TMIM201210HL-1R5MB	1.5	±20	1V/1M	76.0	85.0	3.2	2.7	3.1	2.6
TMIM201210HL-2R2MB	2.2	±20	1V/1M	135.0	150.0	2.7	2.4	2.0	1.7

Note:

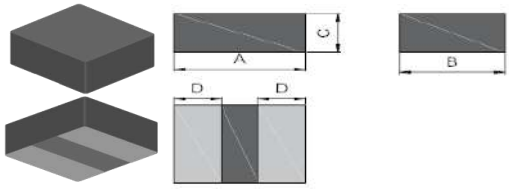
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Mini Molding Type High Current Power Inductors

TMIM201608HL Series (0706 inch -40~+125℃)

■ Dimensions



Dimensions	
A	2.00±0.30
B	1.60±0.30
C	0.70±0.10
D	0.70±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMIM201608HL-R24MB	0.24	±20	1V/1M	14	20	6.0	5.5	6.5	5.8
TMIM201608HL-R33MB	0.33	±20	1V/1M	18	24	5.8	5.3	5.5	4.8
TMIM201608HL-R47MB	0.47	±20	1V/1M	27	31	5.5	5.0	4.9	4.5
TMIM201608HL-R68MB	0.68	±20	1V/1M	39	44	5.1	4.6	3.8	3.6
TMIM201608HL-1R0MB	1.0	±20	1V/1M	53	60	3.6	3.3	3.1	2.9
TMIM201608HL-1R5MB	1.5	±20	1V/1M	73	85	3.3	3.0	2.9	2.7
TMIM201608HL-2R2MB	2.2	±20	1V/1M	123	140	2.7	2.4	2.2	2.0

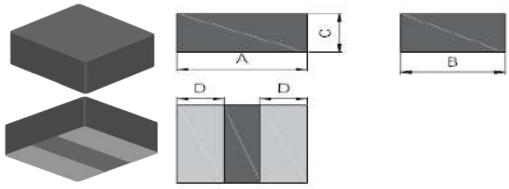
Note:

1. Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.
2. Saturation Current (Isat) will cause L0 to drop approximately 30%.

Mini Molding Type High Current Power Inductors

TMIM201610HL Series (0706 inch -40~+125℃)

■ Dimensions



Dimensions	
A	2.00±0.30
B	1.60±0.30
C	0.80±0.20
D	0.70±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMIM201610HL-R10MB	0.10	±20	1V/1M	8	14	9.0	8.4	8.5	8.0
TMIM201610HL-R15MB	0.15	±20	1V/1M	10	16	8.7	8.0	7.6	7.0
TMIM201610HL-R24MB	0.24	±20	1V/1M	15	18	7.3	7.0	6.8	6.2
TMIM201610HL-R33MB	0.33	±20	1V/1M	17	20	7.0	6.5	6.5	6.0
TMIM201610HL-R47MB	0.47	±20	1V/1M	19	22	6.3	5.5	6.0	5.5
TMIM201610HL-R68MB	0.68	±20	1V/1M	24	31	5.2	4.7	5.0	4.5
TMIM201610HL-1R0MB	1.0	±20	1V/1M	38	46	4.8	4.2	4.0	3.7
TMIM201610HL-1R5MB	1.5	±20	1V/1M	80	96	3.5	3.1	3.4	3.0
TMIM201610HL-2R2MB	2.2	±20	1V/1M	120	138	3.0	2.8	2.8	2.5
TMIM201610HL-4R7MB	4.7	±20	1V/1M	190	220	2.0	1.8	1.6	1.4

Note:

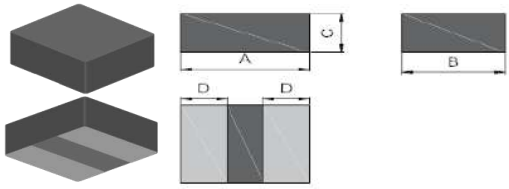
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Mini Molding Type High Current Power Inductors

TMIM252010HL Series (0907 inch -40~+125℃)

■ Dimensions



Dimensions	
A	2.50±0.30
B	2.00±0.30
C	0.80±0.20
D	0.90±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMIM252010HL-R24MB	0.24	±20	1V/1M	12	16	8.5	8.0	6.8	6.4
TMIM252010HL-R33MB	0.33	±20	1V/1M	13	17	7.6	7.2	6.6	6.2
TMIM252010HL-R47MB	0.47	±20	1V/1M	15	22	6.9	6.5	6.1	5.6
TMIM252010HL-R68MB	0.68	±20	1V/1M	23	27	5.9	5.5	5.6	5.0
TMIM252010HL-1R0MB	1.0	±20	1V/1M	24	28	5.3	4.8	4.5	4.1
TMIM252010HL-1R5MB	1.5	±20	1V/1M	45	55	4.3	3.9	4.0	3.6
TMIM252010HL-2R2MB	2.2	±20	1V/1M	57	66	3.4	3.0	2.9	2.6
TMIM252010HL-3R3MB	3.3	±20	1V/1M	86	100	2.8	2.5	2.5	2.2
TMIM252010HL-4R7MB	4.7	±20	1V/1M	180	216	2.6	2.0	2.0	1.6
TMIM252010HL-100MB	10.0	±20	1V/1M	490	520	1.6	1.4	1.2	1.1

Note:

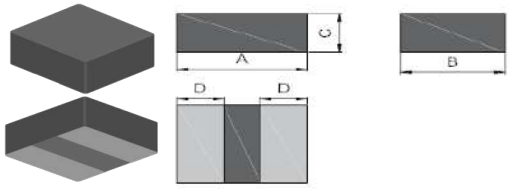
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Mini Molding Type High Current Power Inductors

TMIM252012HL Series (0907 inch -40~+125℃)

■ Dimensions



Dimensions	
A	2.50±0.30
B	2.00±0.30
C	1.00±0.20
D	0.90±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMIM252012HL-R10MB	0.10	±20	1V/1M	4.0	7.0	12.0	10.0	12.0	8.0
TMIM252012HL-R22MB	0.22	±20	1V/1M	9.0	10.8	9.6	9	8.2	7.6
TMIM252012HL-R24MB	0.24	±20	1V/1M	9.0	10.8	9.2	8.6	7.9	7.2
TMIM252012HL-R33MB	0.33	±20	1V/1M	10	12	8.0	7.5	7.0	6.4
TMIM252012HL-R47MB	0.47	±20	1V/1M	16	20	7.4	6.8	6.7	6.0
TMIM252012HL-R68MB	0.68	±20	1V/1M	19	23	6.5	6.0	6.1	5.5
TMIM252012HL-1R0MB	1.0	±20	1V/1M	31	37	5.8	5.3	5.7	5.2
TMIM252012HL-2R2MB	2.2	±20	1V/1M	52	60	4.0	3.3	3.7	3.3
TMIM252012HL-3R3MB	3.3	±20	1V/1M	80	97	3.0	2.7	2.8	2.5
TMIM252012HL-4R7MB	4.7	±20	1V/1M	170	204	2.8	2.2	2.3	2.0
TMIM252012HL-100MB	10.0	±20	1V/1M	330	400	1.6	1.45	1.2	1.05

Note:

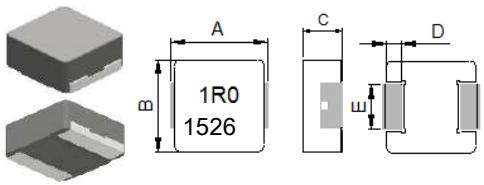
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors High Irms.

TMPA0603HT Series (2828 inch-55~180℃)

■ Dimensions



Dimensions	
A	7.10±0.30
B	6.60±0.20
C	2.80±0.20
D	1.60±0.30
E	3.00±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA0603HT-R47MN-D	0.47	±20	1/100K	3.50	4.00	21.0	18.0	20.0	18.0
TMPA0603HT-R56MN-D	0.56	±20	1/100K	4.20	4.80	20.0	17.0	19.0	17.0
TMPA0603HT-R68MN-D	0.68	±20	1/100K	4.80	5.60	19.0	16.5	17.0	15.5
TMPA0603HT-R82MN-D	0.82	±20	1/100K	5.70	6.80	18.0	16.0	16.0	14.0
TMPA0603HT-1R0MN-D	1.00	±20	1/100K	6.60	8.00	16.0	14.0	15.0	13.0
TMPA0603HT-1R5MN-D	1.50	±20	1/100K	11.2	13.2	14.0	12.0	13.0	11.0
TMPA0603HT-2R2MN-D	2.20	±20	1/100K	13.7	15.8	13.0	11.0	11.0	9.00
TMPA0603HT-3R3MN-D	3.30	±20	1/100K	21.5	25.8	9.50	8.30	9.00	7.30
TMPA0603HT-4R7MN-D	4.70	±20	1/100K	32.0	37.0	8.50	7.00	7.00	6.00
TMPA0603HT-5R6MN-D	5.60	±20	1/100K	36.0	42.0	7.20	6.00	6.50	5.50
TMPA0603HT-6R8MN-D	6.80	±20	1/100K	43.0	50.0	6.50	5.50	6.00	5.00
TMPA0603HT-100MN-D	10.0	±20	1/100K	62.0	68.0	5.00	4.20	5.00	4.20
TMPA0603HT-150MN-D	15.0	±20	1/100K	95.0	114	3.20	2.80	4.10	3.50
TMPA0603HT-220MN-D	22.0	±20	1/100K	140	168	3.00	2.60	3.40	2.80

Note:

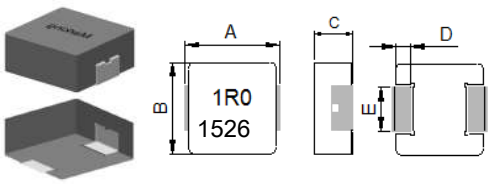
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors High Irms.

TMPA1004HT Series (4343 inch -55~180℃)

■ Dimensions



Dimensions	
A	11.0±0.30
B	10.0±0.30
C	3.80±0.20
D	2.00±0.30
E	3.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA1004HT-1R0MN-D	1.00	±20	1V/100K	2.80	3.07	29.0	26.0	27.0	24.0
TMPA1004HT-1R5MN-D	1.50	±20	1V/100K	4.20	4.50	27.0	24.0	22.0	19.0
TMPA1004HT-2R2MN-D	2.20	±20	1V/100K	6.50	7.20	21.0	18.0	18.0	15.0
TMPA1004HT-3R3MN-D	3.30	±20	1V/100K	10.2	11.8	18.0	16.0	15.0	12.0
TMPA1004HT-4R7MN-D	4.70	±20	1V/100K	14.3	15.3	15.0	13.0	13.0	10.0
TMPA1004HT-5R6MN-D	5.60	±20	1V/100K	15.5	17.5	13.0	11.0	12.0	9.60
TMPA1004HT-6R8MN-D	6.80	±20	1V/100K	20.2	22.3	11.0	10.0	10.5	9.00
TMPA1004HT-100MN-D	10.0	±20	1V/100K	29.3	33.0	9.00	8.00	8.00	7.00
TMPA1004HT-150MN-D	15.0	±20	1V/100K	45.0	50.0	7.60	6.50	7.00	6.00
TMPA1004HT-220MN-D	22.0	±20	1V/100K	64.0	72.0	6.50	5.70	6.00	5.00
TMPA1004HT-330MN-D	33.0	±20	1V/100K	110.0	117.7	5.30	4.50	5.00	4.20
TMPA1004HT-470MN-D	47.0	±20	1V/100K	145.0	167.0	4.50	4.00	4.00	3.40
TMPA1004HT-680MN-D	68.0	±20	1V/100K	210.0	240.0	3.50	2.80	3.50	3.00

Note:

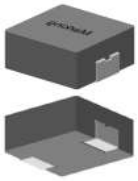
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

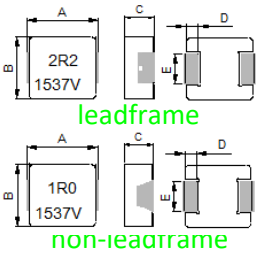
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors High Irms.

TMPA1265HT Series (5353 inch -55~180℃)

■ Dimensions





Dimensions	
A	13.5±0.50
B	12.6±0.20
C	6.20±0.30
D	2.30±0.30
E	See Spec

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA1265HT-R22MN-D	0.22	±20	1V/100K	0.40	0.46	75.00	70.00	45.00	40.00
TMPA1265HT-R33MN-D	0.33	±20	1V/100K	0.55	0.62	68.00	63.00	43.00	37.00
TMPA1265HT-R47MN-D	0.47	±20	1V/100K	0.80	0.90	65.00	60.00	40.00	35.00
TMPA1265HT-1R0MN-D	1.00	±20	1V/100K	1.40	1.70	37.00	33.00	35.00	30.00
TMPA1265HT-1R2MN-D	1.20	±20	1V/100K	1.70	2.00	35.00	32.00	30.00	25.00
TMPA1265HT-1R5MN-D	1.50	±20	1V/100K	2.20	2.53	31.00	27.00	27.00	23.00
TMPA1265HT-2R2MN-D	2.20	±20	1V/100K	3.20	3.70	27.00	23.00	25.00	22.00
TMPA1265HT-3R3MN-D	3.30	±20	1V/100K	4.80	5.60	24.00	21.00	22.00	20.00
TMPA1265HT-4R7MN-D	4.70	±20	1V/100K	6.70	7.70	22.00	20.00	19.00	17.00
TMPA1265HT-5R6MN-D	5.60	±20	1V/100K	8.00	9.20	20.00	18.00	17.00	15.00
TMPA1265HT-6R8MN-D	6.80	±20	1V/100K	10.30	12.00	17.00	15.00	15.00	13.00
TMPA1265HT-8R2MN-D	8.20	±20	1V/100K	11.80	13.60	16.00	14.00	13.00	12.00
TMPA1265HT-100MN-D	10.00	±20	1V/100K	13.80	16.00	15.00	13.00	12.00	11.00
TMPA1265HT-120MN-D	12.00	±20	1V/100K	17.30	20.00	12.50	11.50	11.00	10.00
TMPA1265HT-150MN-D	15.00	±20	1V/100K	21.00	25.00	12.00	11.00	9.50	8.50
TMPA1265HT-220MN-D	22.00	±20	1V/100K	30.00	35.00	9.00	8.00	8.50	7.50
TMPA1265HT-330MN-D	33.00	±20	1V/100K	46.00	55.00	8.00	7.00	7.60	6.50

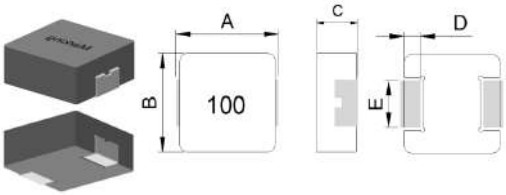
Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

Molding Type High Current Power Inductors High Irms.

TMPA0402S Series (1818 inch -40 ~+125℃)

■ Dimensions



Dimensions	
A	4.45±0.25
B	4.10±0.20
C	1.80±0.20
D	0.80±0.25
E	1.50±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA0402S-R10MN	0.10	±20	1V/100K	2.90	3.20	26.0	22.0	16.0	14.0
TMPA0402S-R22MN	0.22	±20	1V/100K	4.80	5.50	15.0	13.0	14.0	12.5
TMPA0402S-R47MN	0.47	±20	1V/100K	9.50	11.0	9.00	8.00	10.0	9.00
TMPA0402S-R68MN	0.68	±20	1V/100K	11.6	13.5	7.60	6.60	9.00	8.00
TMPA0402S-R82MN	0.82	±20	1V/100K	16.3	18.8	6.00	5.50	8.00	7.00
TMPA0402S-1R0MN	1.00	±20	1V/100K	19.0	22.0	5.50	5.00	7.50	6.50
TMPA0402S-1R2MN	1.20	±20	1V/100K	21.0	25.0	5.40	4.90	7.00	6.20
TMPA0402S-1R5MN	1.50	±20	1V/100K	27.0	31.0	5.20	4.80	6.70	5.80
TMPA0402S-2R2MN	2.20	±20	1V/100K	41.0	48.0	4.50	4.00	5.50	5.00
TMPA0402S-3R3MN	3.30	±20	1V/100K	65.0	75.0	3.10	2.70	4.50	3.50
TMPA0402S-4R7MN	4.70	±20	1V/100K	84.0	95.0	2.80	2.50	3.80	3.20
TMPA0402S-5R6MN	5.60	±20	1V/100K	97.0	115	2.60	2.30	3.20	2.80
TMPA0402S-6R8MN	6.80	±20	1V/100K	131	157	2.40	2.10	2.90	2.50
TMPA0402S-8R2MN	8.20	±20	1V/100K	140	168	2.20	2.00	2.60	2.30
TMPA0402S-100MN	10.0	±20	1V/100K	165	215	2.10	1.90	2.40	2.20

Note:

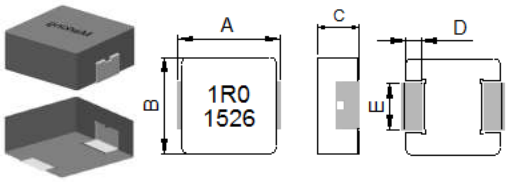
1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors High Irms.

TMPA0503S Series

(2323 inch -40~+125℃)

■ Dimensions



Dimensions	
A	5.70±0.30
B	5.20±0.20
C	2.80±0.20
D	1.00±0.30
E	2.00±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA0503S-R47MN-D	0.47	±20	1V/100K	5.20	6.00	10.0	9.00	13.5	12.0
TMPA0503S-R68MN-D	0.68	±20	1V/100K	7.40	8.50	9.00	8.00	12.5	11.0
TMPA0503S-R82MN-D	0.82	±20	1V/100K	8.00	9.20	8.80	7.70	10.0	9.00
TMPA0503S-1R0MN-D	1.00	±20	1V/100K	10.5	12.0	8.50	7.50	9.00	8.00
TMPA0503S-1R2MN-D	1.20	±20	1V/100K	12.0	14.4	8.00	7.00	8.50	7.50
TMPA0503S-1R5MN-D	1.50	±20	1V/100K	13.6	15.7	7.50	6.50	8.00	7.00
TMPA0503S-2R2MN-D	2.20	±20	1V/100K	21.6	25.0	6.50	5.80	7.00	6.50
TMPA0503S-2R7MN-D	2.70	±20	1V/100K	26.5	30.0	6.30	5.50	6.70	6.20
TMPA0503S-3R3MN-D	3.30	±20	1V/100K	28.0	33.0	6.00	5.30	6.30	5.80
TMPA0503S-4R7MN-D	4.70	±20	1V/100K	38.0	44.0	5.30	4.60	5.50	4.80
TMPA0503S-5R6MN-D	5.60	±20	1V/100K	50.0	58.0	4.60	4.00	5.00	4.30
TMPA0503S-6R8MN-D	6.80	±20	1V/100K	57.0	66.0	3.50	3.10	4.30	3.70
TMPA0503S-100MN-D	10.0	±20	1V/100K	88.0	103	2.50	2.10	3.80	3.40

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

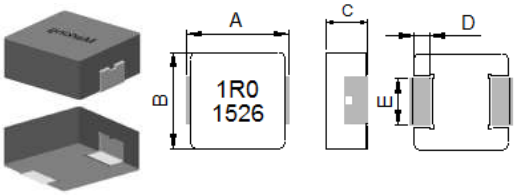
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors High Irms.

TMPA0603S Series

(2828 inch -40~+125℃)

■ Dimensions



Dimensions	
A	7.10±0.30
B	6.60±0.20
C	2.80±0.20
D	1.60±0.30
E	3.00±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA0603S-R15YN-D	0.15	±30	1V/100K	1.70	2.10	40.0	36.0	30.0	25.0
TMPA0603S-R22MN-D	0.22	±20	1V/100K	2.00	2.50	34.0	32.0	23.0	21.0
TMPA0603S-R24MN-D	0.24	±20	1V/100K	2.20	2.70	28.0	24.0	22.5	20.5
TMPA0603S-R33MN-D	0.33	±20	1V/100K	2.80	3.40	25.0	22.0	21.0	20.0
TMPA0603S-R36MN-D	0.36	±20	1V/100K	3.30	3.90	24.0	21.0	20.0	18.0
TMPA0603S-R47MN-D	0.47	±20	1V/100K	3.40	4.00	20.0	18.0	18.0	16.0
TMPA0603S-R56MN-D	0.56	±20	1V/100K	3.90	4.50	18.0	16.0	16.5	15.0
TMPA0603S-R68MN-D	0.68	±20	1V/100K	4.70	5.30	17.0	15.0	16.0	14.5
TMPA0603S-R82MN-D	0.82	±20	1V/100K	5.40	6.00	16.0	14.0	14.0	13.0
TMPA0603S-1R0MN-D	1.00	±20	1V/100K	6.70	7.40	15.0	13.5	12.0	11.0
TMPA0603S-1R2MN-D	1.20	±20	1V/100K	7.70	9.50	14.0	12.5	10.0	9.50
TMPA0603S-1R5MN-D	1.50	±20	1V/100K	10.2	12.1	14.0	12.0	10.0	9.00
TMPA0603S-1R8MN-D	1.80	±20	1V/100K	10.9	13.0	12.0	10.0	9.00	8.00
TMPA0603S-2R2MN-D	2.20	±20	1V/100K	13.5	15.0	10.0	9.00	8.00	7.50
TMPA0603S-2R7MN-D	2.70	±20	1V/100K	17.3	20.0	9.80	8.80	7.20	7.00
TMPA0603S-3R3MN-D	3.30	±20	1V/100K	19.0	22.0	9.50	8.50	6.50	6.00
TMPA0603S-4R7MN-D	4.70	±20	1V/100K	28.0	33.0	6.50	5.50	5.50	5.00
TMPA0603S-5R6MN-D	5.60	±20	1V/100K	39.0	42.0	6.00	5.20	5.50	5.00
TMPA0603S-6R8MN-D	6.80	±20	1V/100K	43.0	50.0	6.00	5.00	4.50	4.20
TMPA0603S-8R2MN-D	8.20	±20	1V/100K	54.0	60.0	6.00	4.70	4.50	4.00
TMPA0603S-100MN-D	10.0	±20	1V/100K	62.0	68.0	5.50	4.50	4.00	3.50
TMPA0603S-120MN-D	12.0	±20	1V/100K	65.0	78.0	4.60	4.10	3.50	3.00
TMPA0603S-150MN-D	15.0	±20	1V/100K	110	140	4.50	4.00	3.00	2.50
TMPA0603S-180MN-D	18.0	±20	1V/100K	130	160	3.50	3.00	2.70	2.30
TMPA0603S-220MN-D	22.0	±20	1V/100K	150	190	3.00	2.50	2.50	2.00

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

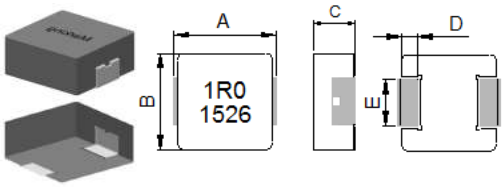
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors High Irms.

TMPA0604S Series

(2828 inch -40~+125℃)

■ Dimensions



Dimensions	
A	7.10±0.30
B	6.60±0.20
C	3.80±0.20
D	1.60±0.30
E	3.00±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA0604S-R33MN-D	0.33	±20	1V/100K	2.20	2.50	28.0	25.0	25.0	23.0
TMPA0604S-R45MN-D	0.45	±20	1V/100K	2.80	3.20	21.0	18.0	20.0	18.0
TMPA0604S-R56MN-D	0.56	±20	1V/100K	3.40	3.70	20.0	17.0	19.0	16.0
TMPA0604S-1R0MN-D	1.00	±20	1V/100K	5.60	6.20	15.0	13.5	15.0	13.0
TMPA0604S-6R8MN-D	6.80	±20	1V/100K	31.0	38.0	6.80	5.80	7.60	6.60

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

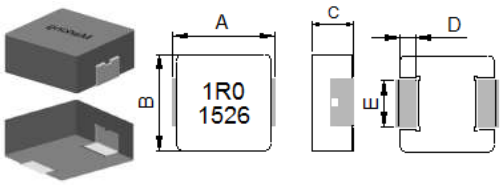
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors High Irms.

TMPA0605S Series

(2828 inch -40~+125℃)

■ Dimensions



Dimensions	
A	7.30±0.30
B	6.60±0.20
C	4.80±0.20
D	1.60±0.30
E	3.00±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA0605S-R15MN-D	0.15	±20	1V/100K	1.30	1.70	45.0	40.0	35.0	32.0
TMPA0605S-R47MN-D	0.47	±20	1V/100K	2.90	3.30	22.0	20.0	22.0	20.0
TMPA0605S-R56MN-D	0.56	±20	1V/100K	3.40	3.90	21.0	18.0	21.0	19.0
TMPA0605S-R68MN-D	0.68	±20	1V/100K	3.60	4.10	20.0	17.0	20.0	18.0
TMPA0605S-R82MN-D	0.82	±20	1V/100K	5.30	5.90	18.0	15.0	18.0	16.0
TMPA0605S-1R0MN-D	1.00	±20	1V/100K	5.60	6.20	16.0	13.0	17.0	15.0
TMPA0605S-1R2MN-D	1.20	±20	1V/100K	6.40	7.10	14.0	11.0	16.0	14.0
TMPA0605S-1R5MN-D	1.50	±20	1V/100K	6.60	7.30	13.0	10.5	15.0	13.0
TMPA0605S-1R8MN-D	1.80	±20	1V/100K	7.60	9.00	11.0	9.00	14.5	12.5
TMPA0605S-2R2MN-D	2.20	±20	1V/100K	10.0	11.5	10.0	8.50	14.0	12.0
TMPA0605S-3R3MN-D	3.30	±20	1V/100K	14.0	16.2	9.50	8.00	13.0	11.0
TMPA0605S-4R7MN-D	4.70	±20	1V/100K	20.8	24.0	8.80	7.50	11.0	9.50
TMPA0605S-5R6MN-D	5.60	±20	1V/100K	28.0	33.0	8.00	7.20	10.0	8.50
TMPA0605S-6R8MN-D	6.80	±20	1V/100K	30.0	36.0	7.60	7.00	9.00	8.00
TMPA0605S-8R2MN-D	8.20	±20	1V/100K	38.5	45.0	6.50	6.00	7.50	6.50
TMPA0605S-100MN-D	10.0	±20	1V/100K	44.0	53.0	6.00	5.70	7.00	6.00
TMPA0605S-120MN-D	12.0	±20	1V/100K	56.0	68.0	5.10	4.70	5.80	4.80
TMPA0605S-150MN-D	15.0	±20	1V/100K	73.0	85.0	4.00	3.20	5.00	4.00
TMPA0605S-220MN-D	22.0	±20	1V/100K	122	142	3.60	3.10	4.20	3.60
TMPA0605S-330MN-D	33.0	±20	1V/100K	142	170	2.30	1.80	3.00	2.50
TMPA0605S-470MN-D	47.0	±20	1V/100K	275	320	1.80	1.50	2.60	2.00

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

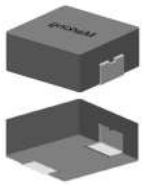
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

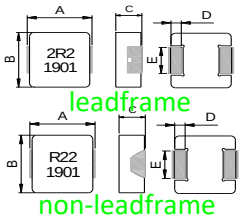
Molding Type High Current Power Inductors High Irms.

TMPA1003S Series

(4343 inch -40~+125℃)

■ Dimensions





Dimensions	
A	11.0±0.50
B	10.0±0.30
C	2.80±0.20
D	2.00±0.30
E	See Spec table

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA1003S-R22MN-D	0.22	±20	1V/100K	0.90	1.00	50.0	45.0	33.0	30.0
TMPA1003S-R36MN-D	0.36	±20	1V/100K	1.25	1.40	40.0	35.0	28.0	25.0
TMPA1003S-R47MN-D	0.47	±20	1V/100K	1.80	2.20	36.0	32.0	26.0	23.0
TMPA1003S-R82MN-D	0.82	±20	1V/100K	3.10	3.70	28.0	25.0	20.0	18.0
TMPA1003S-2R2MN-D	2.20	±20	1V/100K	7.80	8.80	18.0	16.0	14.0	12.0
TMPA1003S-8R2MN-D	8.20	±20	1V/100K	32.0	38.0	7.20	6.80	7.20	6.50

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

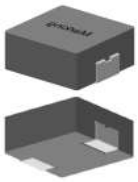
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

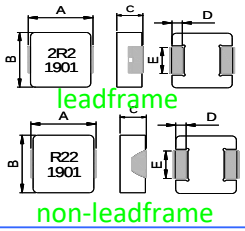
Molding Type High Current Power Inductors High Irms

TMPA1004S Series

(4343 inch -40~+125℃)

■ Dimensions





Dimensions	
A	11.0±0.30
B	10.0±0.30
C	3.80±0.20
D	2.00±0.30
E	See Spec

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA1004S-R15YN-D	0.15	±30	1V/100K	0.50	0.60	82.00	75.00	44.00	38.00
TMPA1004S-R18MN-D	0.18	±20	1V/100K	0.53	0.63	76.00	68.00	40.00	36.00
TMPA1004S-R22MN-D	0.22	±20	1V/100K	0.72	0.83	70.00	60.00	36.00	33.00
TMPA1004S-R33MN-D	0.33	±20	1V/100K	0.87	0.98	55.00	49.00	34.00	31.00
TMPA1004S-R36MN-D	0.36	±20	1V/100K	1.05	1.18	51.00	45.00	33.00	29.00
TMPA1004S-R42MN-D	0.42	±20	1V/100K	1.15	1.30	50.00	42.00	32.50	28.50
TMPA1004S-R45MN-D	0.45	±20	1V/100K	1.20	1.40	48.00	42.00	32.50	28.50
TMPA1004S-R47MN-D	0.47	±20	1V/100K	1.30	1.50	46.00	40.00	32.00	28.00
TMPA1004S-R56MN-D	0.56	±20	1V/100K	1.60	1.80	34.00	29.00	25.00	23.00
TMPA1004S-R68MN-D	0.68	±20	1V/100K	1.90	2.20	31.00	28.00	23.00	20.00
TMPA1004S-R82MN-D	0.82	±20	1V/100K	2.10	2.50	30.00	27.00	22.00	19.00
TMPA1004S-R88MN-D	0.88	±20	1V/100K	2.20	2.60	29.50	27.00	21.00	19.00
TMPA1004S-R90MN-D	0.90	±20	1V/100K	2.20	2.60	29.50	27.00	21.00	19.00
TMPA1004S-1R0MN-D	1.00	±20	1V/100K	2.90	3.25	29.00	26.00	20.00	18.00
TMPA1004S-1R2MN-D	1.20	±20	1V/100K	3.20	3.80	27.50	24.00	18.50	17.00
TMPA1004S-1R5MN-D	1.50	±20	1V/100K	3.70	4.20	26.00	22.00	17.50	16.00
TMPA1004S-1R8MN-D	1.80	±20	1V/100K	5.10	5.70	23.00	20.50	16.50	15.00
TMPA1004S-2R0MN-D	2.00	±20	1V/100K	5.30	6.10	21.00	18.00	16.00	14.50
TMPA1004S-2R2MN-D	2.20	±20	1V/100K	5.80	6.70	20.00	16.00	15.00	13.00
TMPA1004S-3R3MN-D	3.30	±20	1V/100K	10.50	11.80	17.50	14.00	11.00	10.00
TMPA1004S-4R7MN-D	4.70	±20	1V/100K	15.80	19.00	15.20	13.00	8.80	8.00
TMPA1004S-5R6MN-D	5.60	±20	1V/100K	19.00	22.80	14.10	11.50	8.00	7.20
TMPA1004S-6R8MN-D	6.80	±20	1V/100K	22.00	24.50	12.20	11.00	7.80	6.80
TMPA1004S-8R2MN-D	8.20	±20	1V/100K	25.00	28.00	9.50	8.50	7.60	6.50
TMPA1004S-100MN-D	10.0	±20	1V/100K	27.00	30.00	8.60	7.50	7.50	6.10
TMPA1004S-150MN-D	15.0	±20	1V/100K	41.00	45.00	7.00	6.00	6.25	5.00
TMPA1004S-220MN-D	22.0	±20	1V/100K	58.00	66.00	6.20	5.50	5.00	4.10

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

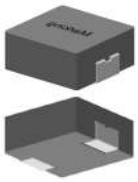
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

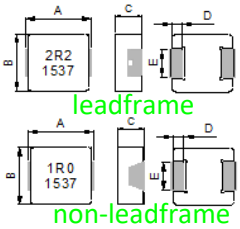
Molding Type High Current Power Inductors High Irms

TMPA1005S Series

(4343 inch -40~+125℃)

■ Dimensions





Dimensions	
A	11.0±0.50
B	10.0±0.30
C	4.80±0.20
D	2.00±0.30
E	See Spec

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA1005S-R30MN-D	0.30	±20	1V/100K	0.67	0.80	55.0	49.0	36.0	32.0
TMPA1005S-R36MN-D	0.36	±20	1V/100K	0.82	0.92	52.0	46.0	34.0	30.0
TMPA1005S-R47MN-D	0.47	±20	1V/100K	1.15	1.32	46.0	40.0	33.0	29.0
TMPA1005S-R68MN-D	0.68	±20	1V/100K	1.60	1.90	35.0	32.0	28.0	25.0
TMPA1005S-1R0MN-D	1.00	±20	1V/100K	2.60	3.00	33.0	30.0	25.0	23.0
TMPA1005S-1R5MN-D	1.50	±20	1V/100K	3.40	3.80	27.0	24.0	23.0	21.0
TMPA1005S-2R2MN-D	2.20	±20	1V/100K	5.10	5.60	20.0	18.0	19.5	17.5
TMPA1005S-3R3MN-D	3.30	±20	1V/100K	8.10	9.10	17.5	15.5	17.0	15.0
TMPA1005S-4R7MN-D	4.70	±20	1V/100K	9.30	10.5	16.0	14.0	15.0	13.0
TMPA1005S-5R6MN-D	5.60	±20	1V/100K	12.8	14.4	15.0	12.5	13.0	11.0
TMPA1005S-6R8MN-D	6.80	±20	1V/100K	15.0	17.3	14.0	12.0	12.0	10.0
TMPA1005S-8R2MN-D	8.20	±20	1V/100K	16.1	18.8	13.5	11.5	10.0	8.50
TMPA1005S-100MN-D	10.0	±20	1V/100K	18.9	21.8	13.0	11.0	7.60	7.20
TMPA1005S-150MN-D	15.0	±20	1V/100K	32.0	39.0	8.50	7.50	6.50	6.00
TMPA1005S-330MN-D	33.0	±20	1V/100K	74.0	86.0	5.80	5.20	5.50	5.00
TMPA1005S-220MN-D	22.0	±20	1V/100K	44.0	54.0	6.00	5.50	6.00	5.50
TMPA1005S-470MN-D	47.0	±20	1V/100K	106	127	3.50	4.00	4.50	4.00
TMPA1005S-101MN-D	100	±20	1V/100K	242	290	2.80	2.40	2.20	2.00

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

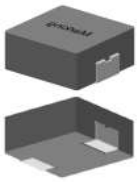
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

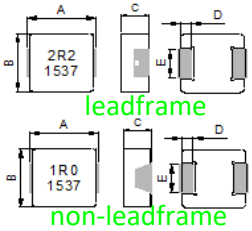
Molding Type High Current Power Inductors High Irms

TMPA1205SP Series

(5353 inch -40~+125℃)

■ Dimensions





Dimensions	
A	13.5±0.50
B	12.6±0.20
C	4.70±0.30
D	2.30±0.30
E	See Spec

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA1205SP-R22MN-D	0.22	±20	1V/100K	0.50	0.61	65	60	55	50
TMPA1205SP-R47MN-D	0.47	±20	1V/100K	0.77	0.90	65	58	38	34
TMPA1205SP-R56MN-D	0.56	±20	1V/100K	1.10	1.30	57	50	36	32.5
TMPA1205SP-R68MN-D	0.68	±20	1V/100K	1.30	1.55	50	42	34	31
TMPA1205SP-R82MN-D	0.82	±20	1V/100K	1.40	1.70	44	38	32	29
TMPA1205SP-1R0MN-D	1.00	±20	1V/100K	1.60	1.90	40	34	30	27
TMPA1205SP-1R2MN-D	1.20	±20	1V/100K	2.40	2.80	34	30	27	24
TMPA1205SP-1R5MN-D	1.50	±20	1V/100K	3.20	3.80	31	28	25	22
TMPA1205SP-1R8MN-D	1.80	±20	1V/100K	3.70	4.30	28	25	22	19
TMPA1205SP-2R2MN-D	2.20	±20	1V/100K	4.10	4.80	26	23	17	15.5
TMPA1205SP-3R3MN-D	3.30	±20	1V/100K	6.00	7.00	23	20.5	15.5	14
TMPA1205SP-4R7MN-D	4.70	±20	1V/100K	8.80	10.2	18.5	16	14	12.5
TMPA1205SP-5R6MN-D	5.60	±20	1V/100K	10.0	12.0	17.5	15.5	13	12
TMPA1205SP-6R8MN-D	6.80	±20	1V/100K	13.0	16.0	16.5	15	12	11
TMPA1205SP-8R2MN-D	8.20	±20	1V/100K	15.0	18.0	13.5	12	11	10
TMPA1205SP-100MN-D	10.00	±20	1V/100K	19.2	22.0	13	10.5	10	9.0
TMPA1205SP-150MN-D	15.00	±20	1V/100K	30.0	36.0	11	9.2	9.4	8.2
TMPA1205SP-220MN-D	22.00	±20	1V/100K	42.0	52.0	8.5	7.5	8.0	7.0
TMPA1205SP-330MN-D	33.00	±20	1V/100K	66.0	80.0	7.3	6.5	6.0	5.2
TMPA1205SP-390MN-D	39.00	±20	1V/100K	70.0	84.0	6.6	5.8	5.6	4.8
TMPA1205SP-470MN-D	47.00	±20	1V/100K	78.0	94.0	6.0	5.2	5.2	4.3
TMPA1205SP-680MN-D	68.00	±20	1V/100K	110.0	132.0	5.0	4.4	4.3	3.6
TMPA1205SP-101MN-D	100.00	±20	1V/100K	175.0	210.0	4.0	3.7	3.5	3.0
TMPA1205SP-121MN-D	120.00	±20	1V/100K	225.0	270.0	3.7	3.2	3.0	2.5
TMPA1205SP-151MN-D	150.00	±20	1V/100K	280.0	336.0	3.2	2.8	2.7	2.3

Note:

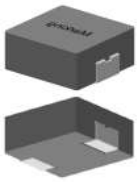
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

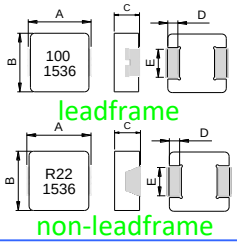
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors High Irms

TMPA1206SP Series (5353 inch -40～+125℃)

■ Dimensions





Dimensions	
A	13.5±0.50
B	12.6±0.20
C	5.70±0.30
D	2.30±0.30
E	See Spec

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA1206SP-R36MN-D	0.36	±20	1V/100K	0.65	0.80	70.0	60.0	60.0	50.0
TMPA1206SP-R82MN-D	0.82	±20	1V/100K	1.40	1.70	41.0	36.0	35.0	30.0
TMPA1206SP-1R0MN-D	1.00	±20	1V/100K	1.70	2.00	34.0	29.0	30.0	26.0
TMPA1206SP-1R5MN-D	1.50	±20	1V/100K	2.40	3.00	32.0	27.0	28.0	24.0
TMPA-1206SP-2R2MN-D	2.20	±20	1V/100K	3.70	4.30	28.0	24.0	25.0	21.0
TMPA1206SP-3R3MN-D	3.30	±20	1V/100K	5.30	6.50	28.0	24.0	21.0	18.0
TMPA1206SP-4R7MN-D	4.70	±20	1V/100K	7.00	8.40	23.0	19.5	19.0	16.0
TMPA1206SP-5R6MN-D	5.60	±20	1V/100K	9.00	10.8	19.0	17.0	16.0	14.0
TMPA1206SP-8R2MN-D	8.20	±20	1V/100K	13.5	16.0	17.0	15.5	13.5	12.0
TMPA1206SP-100MN-D	10.0	±20	1V/100K	15.5	18.6	16.0	14.5	12.0	10.5
TMPA1206SP-150MN-D	15.0	±20	1V/100K	24.0	29.0	10.0	9.00	10.0	8.50
TMPA1206SP-220MN-D	22.0	±20	1V/100K	31.2	37.5	9.00	8.00	8.00	7.00
TMPA1206SP-330MN-D	33.0	±20	1V/100K	56.0	68.0	7.80	6.70	6.50	5.50
TMPA1206SP-470MN-D	47.0	±20	1V/100K	76.0	88.0	6.70	5.50	5.20	4.50
TMPA1206SP-560MN-D	56.0	±20	1V/100K	90.0	108	6.30	5.30	4.90	4.10
TMPA1206SP-680MN-D	68.0	±20	1V/100K	103	124	5.80	5.00	4.50	3.70
TMPA1206SP-101MN-D	100	±20	1V/100K	162	195	5.00	4.00	3.20	2.80
TMPA1206SP-151MN-D	150	±20	1V/100K	270	325	4.10	3.20	2.60	2.20

Note:

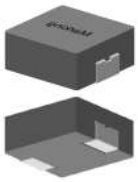
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

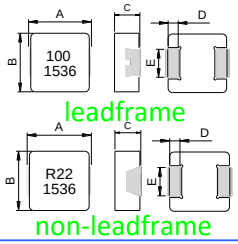
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors High Irms

TMPA1265SP Series (5353 inch -40~+125℃)

■ Dimensions





Dimensions	
A	13.5±0.50
B	12.6±0.20
C	6.20±0.30
D	2.30±0.30
E	See Spec

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA1265SP-R22MN-D	0.22	±20	1V/100K	0.40	0.46	112.00	105.00	53.00	42.00
TMPA1265SP-R33MN-D	0.33	±20	1V/100K	0.60	0.70	75.00	65.00	46.00	36.00
TMPA1265SP-R47MN-D	0.47	±20	1V/100K	0.88	1.02	68.00	58.00	42.00	35.00
TMPA1265SP-R50MN-D	0.50	±20	1V/100K	0.90	1.10	60.00	55.00	38.00	34.00
TMPA1265SP-R56MN-D	0.56	±20	1V/100K	1.10	1.30	57.00	50.00	37.00	33.50
TMPA1265SP-R68MN-D	0.68	±20	1V/100K	1.25	1.50	55.00	46.00	36.50	33.00
TMPA1265SP-R82MN-D	0.82	±20	1V/100K	1.30	1.65	48.00	39.00	35.00	31.00
TMPA1265SP-1R0MN-D	1.00	±20	1V/100K	1.50	1.80	45.00	36.00	33.00	29.00
TMPA1265SP-1R2MN-D	1.20	±20	1V/100K	1.80	2.20	38.00	33.00	31.00	27.00
TMPA1265SP-1R5MN-D	1.50	±20	1V/100K	2.20	2.53	35.00	30.00	29.00	25.00
TMPA1265SP-1R8MN-D	1.80	±20	1V/100K	3.20	3.60	31.00	27.00	27.00	23.00
TMPA1265SP-2R2MN-D	2.20	±20	1V/100K	3.70	4.20	28.50	24.00	25.00	21.00
TMPA1265SP-2R4MN-D	2.40	±20	1V/100K	3.90	4.50	28.00	23.50	24.50	20.50
TMPA1265SP-2R7MN-D	2.70	±20	1V/100K	4.20	5.00	27.50	23.00	24.00	20.00
TMPA1265SP-3R3MN-D	3.30	±20	1V/100K	5.30	6.20	27.00	22.50	22.00	19.00
TMPA1265SP-4R7MN-D	4.70	±20	1V/100K	6.80	8.00	25.00	21.00	20.00	17.00
TMPA1265SP-5R6MN-D	5.60	±20	1V/100K	8.30	9.80	23.00	19.50	18.00	15.00
TMPA1265SP-6R0MN-D	6.00	±20	1V/100K	8.60	10.40	22.00	19.00	17.00	14.50
TMPA1265SP-6R8MN-D	6.80	±20	1V/100K	9.80	11.30	21.00	18.00	16.50	14.00
TMPA1265SP-8R2MN-D	8.20	±20	1V/100K	12.00	13.80	19.00	17.00	15.00	12.50
TMPA1265SP-100MN-D	10.0	±20	1V/100K	13.00	15.80	17.00	15.00	13.00	11.00
TMPA1265SP-150MN-D	15.0	±20	1V/100K	22.00	26.00	13.50	12.00	11.00	9.50
TMPA1265SP-220MN-D	22.0	±20	1V/100K	31.00	35.00	10.00	9.00	10.00	8.00
TMPA1265SP-270MN-D	27.0	±20	1V/100K	36.00	45.00	9.00	8.00	9.50	7.20
TMPA1265SP-330MN-D	33.0	±20	1V/100K	46.00	55.00	9.00	8.00	9.00	6.50
TMPA1265SP-470MN-D	47.0	±20	1V/100K	58.00	67.00	7.60	6.80	8.00	5.70
TMPA1265SP-680MN-D	68.0	±20	1V/100K	82.00	100.00	6.00	5.00	5.80	4.80
TMPA1265SP-820MN-D	82.0	±20	1V/100K	110.00	132.00	5.00	4.20	5.00	4.00
TMPA1265SP-101MN-D	100	±20	1V/100K	140.00	161.00	5.00	4.00	5.00	3.80

Note:

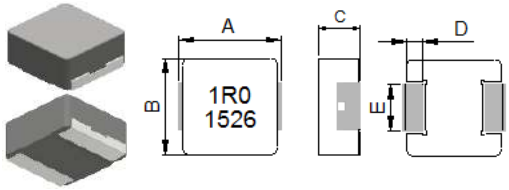
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors High Irms

TMPA1707SP Series (7070 inch -40~+125℃)

■ Dimensions



Dimensions	
A	17.8±0.50
B	16.9±0.30
C	6.70±0.30
D	2.30±0.30
E	11.9±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA1707SP-R47MN-D	0.47	±20	1V/100K	0.70	0.90	110	100	60.0	55.0
TMPA1707SP-R56MN-D	0.56	±20	1V/100K	0.81	0.97	80.0	70.0	56.0	50.0
TMPA1707SP-1R0MN-D	1.00	±20	1V/100K	1.06	1.30	50.0	45.0	46.0	42.0
TMPA1707SP-1R5MN-D	1.50	±20	1V/100K	1.50	1.80	46.0	40.0	39.0	35.0
TMPA1707SP-1R8MN-D	1.80	±20	1V/100K	1.70	2.00	40.0	34.0	35.0	32.0
TMPA1707SP-2R0MN-D	2.00	±20	1V/100K	1.75	2.10	37.0	33.0	33.0	31.0
TMPA1707SP-2R2MN-D	2.20	±20	1V/100K	1.80	2.20	35.0	32.0	32.0	30.0
TMPA1707SP-3R3MN-D	3.30	±20	1V/100K	2.70	3.30	32.0	29.0	30.0	28.0
TMPA1707SP-4R0MN-D	4.00	±20	1V/100K	3.50	4.30	30.0	27.0	29.0	27.0
TMPA1707SP-4R7MN-D	4.70	±20	1V/100K	3.70	4.50	29.0	26.0	28.0	26.0
TMPA1707SP-5R6MN-D	5.60	±20	1V/100K	5.00	6.00	27.0	23.0	26.0	23.0
TMPA1707SP-6R8MN-D	6.80	±20	1V/100K	6.00	7.20	25.0	22.0	24.0	22.0
TMPA1707SP-100MN-D	10.0	±20	1V/100K	9.20	10.6	22.0	19.0	21.0	19.0
TMPA1707SP-150MN-D	15.0	±20	1V/100K	12.8	15.5	16.0	14.0	16.0	14.0
TMPA1707SP-180MN-D	18.0	±20	1V/100K	16.5	20.0	14.0	12.0	14.5	12.5
TMPA1707SP-220MN-D	22.0	±20	1V/100K	20.5	24.0	13.5	11.5	13.5	11.5
TMPA1707SP-330MN-D	33.0	±20	1V/100K	32.0	37.0	12.0	10.0	12.0	10.0
TMPA1707SP-470MN-D	47.0	±20	1V/100K	40.0	47.0	9.50	8.00	9.50	8.00
TMPA1707SP-680MN-D	68.0	±20	1V/100K	66.0	76.0	8.50	7.20	8.00	6.50
TMPA1707SP-820MN-D	82.0	±20	1V/100K	69.0	83.0	8.00	6.50	6.50	5.70
TMPA1707SP-101MN-D	100	±20	1V/100K	90.0	105	6.50	5.50	6.00	5.00

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

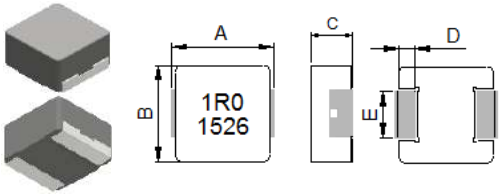
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors High Irms

TMPA2313SP Series

(9393 inch -40 ~+125℃)

■ Dimensions



Dimensions	
A	23.5±0.50
B	22.0±0.30
C	12.6±0.40
D	5.00±0.40
E	19.0±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA2313SP-1R5MN-D	1.50	±20	1V/100K	1.00	1.15	52.0	48.0	62.0	57.0
TMPA2313SP-2R0MN-D	2.00	±20	1V/100K	1.02	1.20	50.0	45.0	60.0	54.0
TMPA2313SP-2R2MN-D	2.20	±20	1V/100K	1.05	1.25	48.0	43.0	58.0	52.0
TMPA2313SP-3R0MN-D	3.00	±20	1V/100K	1.42	1.64	44.0	39.0	51.0	48.0
TMPA2313SP-3R3MN-D	3.30	±20	1V/100K	1.50	1.75	41.0	37.0	49.0	47.0
TMPA2313SP-4R7MN-D	4.70	±20	1V/100K	1.90	2.20	38.0	34.0	47.0	44.0
TMPA2313SP-6R8MN-D	6.80	±20	1V/100K	2.70	3.10	36.0	32.0	40.0	36.0
TMPA2313SP-8R2MN-D	8.20	±20	1V/100K	3.40	3.80	31.0	27.0	35.0	32.0
TMPA2313SP-100MN-D	10.0	±20	1V/100K	3.80	4.15	28.0	20.0	33.0	30.0
TMPA2313SP-150MN-D	15.0	±20	1V/100K	5.10	6.12	23.0	18.0	26.0	23.0
TMPA2313SP-220MN-D	22.0	±20	1V/100K	9.20	11.0	15.0	14.0	22.0	18.0
TMPA2313SP-230MN-D	23.0	±20	1V/100K	9.20	11.0	15.0	14.0	22.0	18.0
TMPA2313SP-330MN-D	33.0	±20	1V/100K	13.5	15.4	12.0	10.5	19.0	16.0
TMPA2313SP-470MN-D	47.0	±20	1V/100K	17.3	20.8	12.0	10.0	17.0	14.0
TMPA2313SP-680MN-D	68.0	±20	1V/100K	26.2	29.5	12.0	9.00	14.0	12.0
TMPA2313SP-750MN-D	75.0	±20	1V/100K	27.5	31.6	10.5	8.50	13.0	11.0
TMPA2313SP-820MN-D	82.0	±20	1V/100K	31.0	34.2	9.00	7.70	12.0	10.0
TMPA2313SP-101MN-D	100	±20	1V/100K	36.0	40.0	9.00	7.50	11.0	9.50

Note:

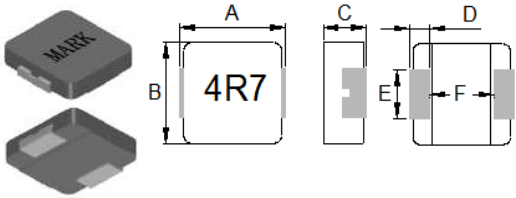
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors High Irms

TMPA404010AF Series (1616 inch -40 ~+125℃)

■ Dimensions



Dimensions	
A	4.40±0.20
B	4.40±0.20
C	2.80±0.20
D	3.40±0.30
E	0.88±0.20
F	2.40±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA404010AF-4R7MN	4.70	±20	1V/100K	120	144	3.0	2.6	2.6	2.3
TMPA404010AF-6R8MN	6.80	±20	1V/100K	200	240	2.3	2.0	2.0	1.8
TMPA404010AF-100MN	10.0	±20	1V/100K	300	320	2.0	1.7	1.6	1.4

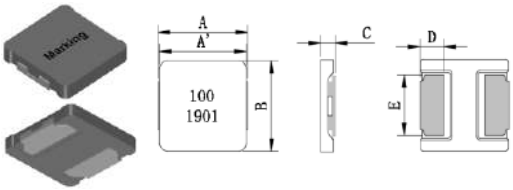
Note:.

1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors High Irms

TMPA606010AF Series （2424 inch -40 ~+125℃）

■ Dimensions



Dimensions	
A	6.10±0.30
A'	6.00±0.20
B	6.10±0.30
C	0.80±0.20
D	1.75±0.30
E	4.00±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA606010AF-4R7MN-D	4.70	±20	1V/100K	140.0	161.0	3.5	3.0	2.6	2.3
TMPA606010AF-6R8MN-D	6.80	±20	1V/100K	164.0	197.0	2.5	2.2	2.1	1.9
TMPA606010AF-100MN-D	10.0	±20	1V/100K	259.0	310.0	2.1	1.9	1.7	1.5

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

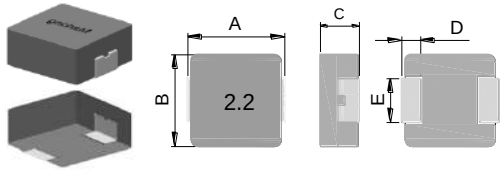
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors

TMPC0312H Series

(1414 inch -40~+125℃)

■ Dimensions



Dimensions	
A	3.50±0.20
B	3.20±0.20
C	1.00±0.20
D	0.70±0.20
E	1.20±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC0312H-R15YG	0.15	±30	1V/100K	9.6	11.0	14.00	13.00	10.00	9.00
TMPC0312H-R22MG	0.22	±20	1V/100K	14.0	17.0	10.00	9.00	6.50	6.00
TMPC0312H-R33MG	0.33	±20	1V/100K	16.0	20.0	9.20	8.50	6.20	5.80
TMPC0312H-R47MG	0.47	±20	1V/100K	25.0	30.0	7.20	6.50	5.00	4.50
TMPC0312H-R56MG	0.56	±20	1V/100K	31.0	36.0	6.60	5.80	4.50	4.00
TMPC0312H-R68MG	0.68	±20	1V/100K	34.0	40.0	6.10	5.60	4.00	3.50
TMPC0312H-R82MG	0.82	±20	1V/100K	41.0	48.0	5.80	5.30	3.50	3.00
TMPC0312H-1R0MG	1.00	±20	1V/100K	50.0	60.0	5.50	5.00	3.30	2.90
TMPC0312H-1R5MG	1.50	±20	1V/100K	71.0	85.0	4.00	3.60	3.00	2.60
TMPC0312H-2R2MG	2.20	±20	1V/100K	98.0	115	3.40	3.00	2.70	2.30
TMPC0312H-3R3MG	3.30	±20	1V/100K	191	210	3.10	2.80	2.00	1.70
TMPC0312H-4R7MG	4.70	±20	1V/100K	266	293	2.80	2.50	1.60	1.40
TMPC0312H-5R6MG	5.60	±20	1V/100K	310	360	2.20	1.90	1.50	1.30
TMPC0312H-6R8MG	6.80	±20	1V/100K	360	400	2.00	1.70	1.40	1.20
TMPC0312H-8R2MG	8.20	±20	1V/100K	420	463	1.70	1.50	1.20	1.00
TMPC0312H-100MG	10.0	±20	1V/100K	498	550	1.40	1.20	1.00	0.80

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

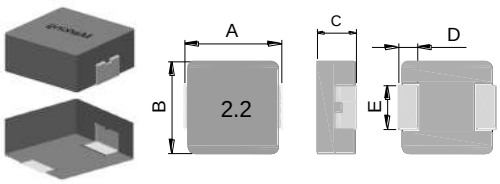
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors

TMPC0315H Series

(1414 inch -40~+125℃)

■ Dimensions



Dimensions	
A	3.50±0.30
B	3.20±0.20
C	1.30±0.20
D	0.70±0.20
E	1.20±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I rms (A) typ.
TMPC0315H-R22MG	0.22	±20	1V/100K	14.0	17.0	10.8	7.00
TMPC0315H-R47MG	0.47	±20	1V/100K	23.3	28.0	8.00	5.50
TMPC0315H-R56MG	0.56	±20	1V/100K	28.0	33.0	7.20	5.00
TMPC0315H-R68MG	0.68	±20	1V/100K	34.0	42.0	6.50	4.50
TMPC0315H-1R0MG	1.00	±20	1V/100K	41.0	50.0	5.80	3.60
TMPC0315H-1R5MG	1.50	±20	1V/100K	64.0	77.0	4.00	3.40
TMPC0315H-2R2MG	2.20	±20	1V/100K	82.0	98.0	3.80	3.20
TMPC0315H-3R3MG	3.30	±20	1V/100K	170	205	3.20	2.50
TMPC0315H-4R7MG	4.70	±20	1V/100K	220	264	2.80	1.90
TMPC0315H-5R6MG	5.60	±20	1V/100K	265	318	2.30	1.70
TMPC0315H-6R8MG	6.80	±20	1V/100K	290	348	2.00	1.50
TMPC0315H-8R2MG	8.20	±20	1V/100K	390	468	1.80	1.30
TMPC0315H-100MG	10.0	±20	1V/100K	435	522	1.60	1.20

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

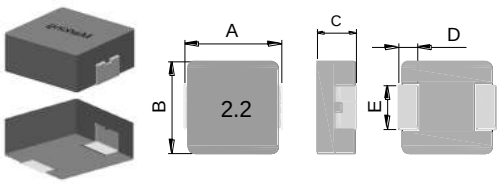
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors

TMPC0302H Series

(1414 inch -40～+125℃)

■ Dimensions



Dimensions	
A	3.50±0.30
B	3.20±0.20
C	1.80±0.20
D	0.70±0.20
E	1.20±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC0302V-R10YG	0.10	±30	1V/100K	6.60	9.00	14.0	12.5	10.5	9.50
TMPC0302V-R22YG	0.22	±30	1V/100K	11.0	14.0	11.2	10.5	9.00	8.00
TMPC0302V-R33MG	0.33	±20	1V/100K	17.0	21.0	10.0	9.00	8.00	7.00
TMPC0302V-R47MG	0.47	±20	1V/100K	19.7	23.0	9.00	8.00	7.00	6.00
TMPC0302V-R60MG	0.60	±20	1V/100K	24.0	28.0	7.50	6.90	6.00	5.00
TMPC0302V-R68MG	0.68	±20	1V/100K	25.5	29.0	7.00	6.50	5.50	4.50
TMPC0302V-R82MG	0.82	±20	1V/100K	27.0	32.0	6.00	5.50	4.80	4.30
TMPC0302V-1R0MG	1.00	±20	1V/100K	32.0	38.0	5.00	4.50	4.00	3.50
TMPC0302V-1R2MG	1.20	±20	1V/100K	39.0	47.0	4.50	4.00	3.90	3.30
TMPC0302V-1R5MG	1.50	±20	1V/100K	42.0	50.0	4.00	3.50	3.80	3.10
TMPC0302V-2R2MG	2.20	±20	1V/100K	65.0	75.0	3.70	3.20	3.50	3.00
TMPC0302V-3R3MG	3.30	±20	1V/100K	125	145	3.50	3.00	3.00	2.60
TMPC0302V-4R7MG	4.70	±20	1V/100K	172	200	3.00	2.60	2.60	2.20
TMPC0302V-5R6MG	5.60	±20	1V/100K	205	238	2.60	2.20	2.20	1.80
TMPC0302V-6R8MG	6.80	±20	1V/100K	260	300	2.20	1.90	1.90	1.50
TMPC0302V-8R2MG	8.20	±20	1V/100K	340	390	1.90	1.60	1.60	1.30
TMPC0302V-100MG	10.0	±20	1V/100K	366	422	1.60	1.40	1.40	1.10

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

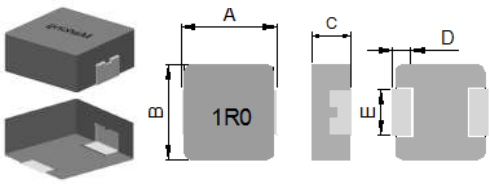
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors

TMPC0412HP Series

(1818 inch -40~+125℃)

■ Dimensions



Dimensions	
A	4.45±0.25
B	4.06±0.25
C	1.00±0.20
D	0.76±0.30
E	2.00±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC0412HP-R10YG-Z02	0.10	±30	1V/100K	4.30	5.50	25.0	22.0	11.5	10.0
TMPC0412HP-R12YG-Z02	0.12	±30	1V/100K	4.80	6.20	23.0	21.0	10.5	10.0
TMPC0412HP-R15YG-Z02	0.15	±30	1V/100K	5.50	6.80	21.5	19.0	10.0	9.00
TMPC0412HP-R22MG-Z02	0.22	±20	1V/100K	6.60	8.00	20.0	17.0	8.50	7.50
TMPC0412HP-R25MG-Z02	0.25	±20	1V/100K	8.00	10.0	16.0	14.0	8.20	7.00
TMPC0412HP-R33MG-Z02	0.33	±20	1V/100K	13.6	16.0	11.0	9.00	7.00	6.00
TMPC0412HP-R36MG-Z02	0.36	±20	1V/100K	15.5	18.0	8.50	7.00	6.50	5.50
TMPC0412HP-R47MG-Z02	0.47	±20	1V/100K	18.0	20.0	6.50	5.50	6.00	5.00
TMPC0412HP-R60MG-Z02	0.60	±20	1V/100K	22.5	26.0	6.00	5.00	5.30	4.50
TMPC0412HP-R68MG-Z02	0.68	±20	1V/100K	32.0	37.0	6.00	5.00	5.00	4.00
TMPC0412HP-R82MG-Z02	0.82	±20	1V/100K	38.0	44.0	6.00	5.00	4.50	3.80
TMPC0412HP-1R0MG-Z02	1.00	±20	1V/100K	41.0	47.0	6.00	5.00	4.00	3.50
TMPC0412HP-1R2MG-Z02	1.20	±20	1V/100K	48.0	56.0	5.00	4.20	3.50	2.70
TMPC0412HP-1R5MG-Z02	1.50	±20	1V/100K	55.0	63.3	4.00	3.20	3.00	2.40
TMPC0412HP-2R2MG-Z02	2.20	±20	1V/100K	69.2	80.0	3.50	3.00	2.80	2.20
TMPC0412HP-3R3MG-Z02	3.30	±20	1V/100K	84.0	97.0	3.00	2.70	2.30	2.00
TMPC0412HP-4R7MG-Z02	4.70	±20	1V/100K	128	145	2.50	2.30	2.00	1.70
TMPC0412HP-5R6MG-Z02	5.60	±20	1V/100K	180	208	2.30	2.00	1.70	1.50
TMPC0412HP-6R8MG-Z02	6.80	±20	1V/100K	300	360	1.70	1.50	1.50	1.30
TMPC0412HP-8R2MG-Z02	8.20	±20	1V/100K	313	376	1.60	1.40	1.40	1.10
TMPC0412HP-100MG-Z02	10.0	±20	1V/100K	410	463	1.40	1.20	1.30	1.00

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

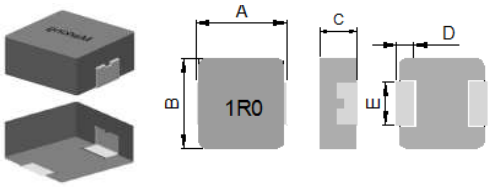
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors

TMPC0415HP Series

(1818 inch -40～+125℃)

■ Dimensions



Dimensions	
A	4.45±0.25
B	4.06±0.25
C	1.30±0.20
D	0.76±0.30
E	2.00±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I rms (A) typ.
TMPC0415HP-R12YG-Z02	0.12	±30	1V/100K	4.00	5.0	20.0	15.0
TMPC0415HP-R22MG-Z02	0.22	±20	1V/100K	6.50	7.8	20.0	10.0
TMPC0415HP-R47MG-Z02	0.47	±20	1V/100K	15.0	19.0	11.0	8.00
TMPC0415HP-R68MG-Z02	0.68	±20	1V/100K	19.0	21.5	8.50	6.50
TMPC0415HP-R82MG-Z02	0.82	±20	1V/100K	29.0	36.0	7.50	5.50
TMPC0415HP-1R0MG-Z02	1.00	±20	1V/100K	34.0	40.0	7.00	5.00
TMPC0415HP-2R2MG-Z02	2.20	±20	1V/100K	63.0	72.0	4.00	3.20
TMPC0415HP-4R7MG-Z02	4.70	±20	1V/100K	120	140	2.80	2.20
TMPC0415HP-6R8MG-Z02	6.80	±20	1V/100K	230	276	2.30	1.70
TMPC0415HP-100MG-Z02	10.0	±20	1V/100K	345	400	1.90	1.50

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

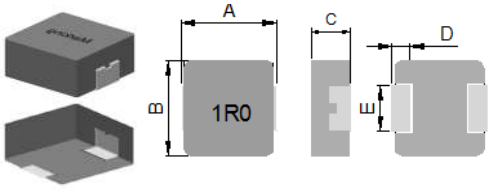
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors

TMPC0402HP Series

(1818 inch -40 ~+125℃)

■ Dimensions



Dimensions	
A	4.45±0.25
B	4.06±0.25
C	1.80±0.20
D	0.76±0.30
E	2.00±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I rms (A) typ.
TMPC0402HP-R33MG-Z02	0.33	±20	1V/100K	7.80	8.60	18.0	10.0
TMPC0402HP-R36MG-Z02	0.36	±20	1V/100K	8.70	12.0	15.0	9.00
TMPC0402HP-R47MG-Z02	0.47	±20	1V/100K	11.2	14.0	12.0	8.00
TMPC0402HP-R56MG-Z02	0.56	±20	1V/100K	13.5	16.0	10.0	7.30
TMPC0402HP-R68MG-Z02	0.68	±20	1V/100K	16.0	19.0	10.0	7.00
TMPC0402HP-1R0MG-Z02	1.00	±20	1V/100K	22.0	27.0	8.50	5.00
TMPC0402HP-1R2MG-Z02	1.20	±20	1V/100K	25.0	30.0	7.80	4.80
TMPC0402HP-1R5MG-Z02	1.50	±20	1V/100K	34.8	42.0	7.00	4.50
TMPC0402HP-2R2MG-Z02	2.20	±20	1V/100K	51.0	61.0	6.00	4.00
TMPC0402HP-3R3MG-Z02	3.30	±20	1V/100K	69.0	76.0	4.00	3.50
TMPC0402HP-4R7MG-Z02	4.70	±20	1V/100K	95.0	105	3.50	2.60
TMPC0402HP-5R6MG-Z02	5.60	±20	1V/100K	112	125	3.00	2.20
TMPC0402HP-6R8MG-Z02	6.80	±20	1V/100K	150	172	2.80	2.10
TMPC0402HP-8R2MG-Z02	8.20	±20	1V/100K	158	180	2.50	2.00
TMPC0402HP-100MG-Z02	10.0	±20	1V/100K	215	243	2.30	1.80
TMPC0402HP-150MG-Z02	15.0	±20	1V/100K	325	374	1.90	1.50
TMPC0402HP-200MG-Z02	20.0	±20	1V/100K	435	480	1.70	1.30
TMPC0402HP-220MG-Z02	22.0	±20	1V/100K	470	500	1.40	1.20

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

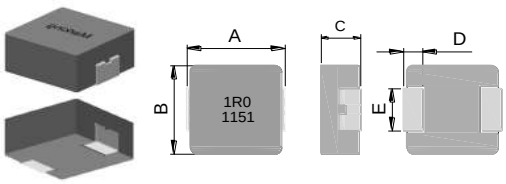
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors

TMPC0512HP Series

(2323 inch -40 ~+125℃)

■ Dimensions



Dimensions	
A	5.70±0.30
B	5.20±0.20
C	1.00±0.20
D	1.10±0.30
E	2.50±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC0512HP-R10YG-D	0.10	±30	1V/100K	4.30	5.20	14.5	14.0	14.0	13.0
TMPC0512HP-R15YG-D	0.15	±30	1V/100K	4.50	6.00	14.2	13.8	12.0	11.0
TMPC0512HP-R22MG-D	0.22	±20	1V/100K	5.50	6.70	14.0	13.5	10.7	10.0
TMPC0512HP-R33MG-D	0.33	±20	1V/100K	7.80	9.40	13.5	13.0	8.50	8.00
TMPC0512HP-R36MG-D	0.36	±20	1V/100K	10.0	11.5	13.0	12.5	8.00	7.50
TMPC0512HP-R47MG-D	0.47	±20	1V/100K	13.6	15.8	11.0	10.5	7.00	6.50
TMPC0512HP-R68MG-D	0.68	±20	1V/100K	21.5	24.5	9.00	8.50	6.00	5.50
TMPC0512HP-1R0MG-D	1.00	±20	1V/100K	26.0	30.0	6.00	5.50	5.00	4.50
TMPC0512HP-1R2MG-D	1.20	±20	1V/100K	33.0	40.0	5.50	5.00	4.50	4.00
TMPC0512HP-1R5MG-D	1.50	±20	1V/100K	38.0	44.0	5.00	4.50	4.00	3.50
TMPC0512HP-2R2MG-D	2.20	±20	1V/100K	65.0	75.0	4.00	3.60	3.50	3.00
TMPC0512HP-3R3MG-D	3.30	±20	1V/100K	75.0	86.0	3.80	3.40	3.00	2.60
TMPC0512HP-4R7MG-D	4.70	±20	1V/100K	100	115	3.20	3.10	2.50	2.20
TMPC0512HP-5R6MG-D	5.60	±20	1V/100K	175	201	3.20	2.90	2.40	1.90
TMPC0512HP-6R8MG-D	6.80	±20	1V/100K	193	222	3.00	2.60	2.00	1.60
TMPC0512HP-8R2MG-D	8.20	±20	1V/100K	327	378	2.80	2.40	1.70	1.50
TMPC0512HP-100MG-D	10.0	±20	1V/100K	335	385	1.80	1.60	1.50	1.40
TMPC0512HP-150MG-D	15.0	±20	1V/100K	410	470	1.60	1.40	1.30	1.20

Note:

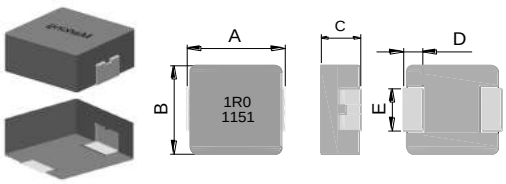
1. Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.
2. Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors

TMPC0515HP Series

(2323 inch -40～+125℃)

■ Dimensions



Dimensions	
A	5.70±0.30
B	5.20±0.20
C	1.30±0.20
D	1.10±0.30
E	2.50±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC0515HP-R20MG-D	0.20	±20	1V/100K	3.80	4.20	22.5	20.0	15.0	13.0
TMPC0515HP-R22MG-D	0.22	±20	1V/100K	5.00	6.50	20.0	18.0	12.0	10.0
TMPC0515HP-R33MG-D	0.33	±20	1V/100K	8.50	9.80	16.0	15.0	9.00	8.00
TMPC0515HP-R36MG-D	0.36	±20	1V/100K	10.0	12.5	15.5	14.5	8.50	7.50
TMPC0515HP-R47MG-D	0.47	±20	1V/100K	12.0	13.8	15.0	14.0	8.00	7.00
TMPC0515HP-R68MG-D	0.68	±20	1V/100K	14.0	16.2	13.0	12.0	7.00	6.00
TMPC0515HP-1R0MG-D	1.00	±20	1V/100K	22.0	25.3	9.00	8.00	6.00	5.00
TMPC0515HP-1R5MG-D	1.50	±20	1V/100K	39.0	45.0	7.00	6.00	4.50	3.50
TMPC0515HP-2R2MG-D	2.20	±20	1V/100K	45.0	52.0	6.00	5.00	4.00	3.50
TMPC0515HP-3R3MG-D	3.30	±20	1V/100K	78.0	90.0	4.50	3.50	3.20	2.70
TMPC0515HP-4R7MG-D	4.70	±20	1V/100K	103	118	4.00	3.00	2.70	2.20
TMPC0515HP-5R6MG-D	5.60	±20	1V/100K	126	152	3.20	2.70	2.40	2.00
TMPC0515HP-6R8MG-D	6.80	±20	1V/100K	142	171	3.00	2.50	2.30	1.90
TMPC0515HP-8R2MG-D	8.20	±20	1V/100K	175	210	2.60	2.20	2.10	1.70
TMPC0515HP-100MG-D	10.0	±20	1V/100K	210	235	2.30	2.00	2.00	1.60
TMPC0515HP-150MG-D	15.0	±20	1V/100K	310	380	2.00	1.60	1.60	1.30
TMPC0515HP-220MG-D	22.0	±20	1V/100K	405	466	1.70	1.30	1.20	1.00

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

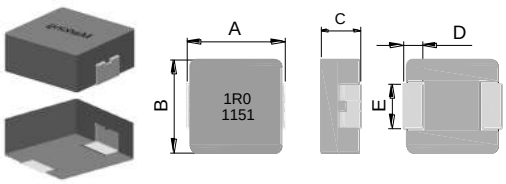
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors

TMPC0518HP Series

(2323 inch -40~+125℃)

■ Dimensions



Dimensions	
A	5.70±0.30
B	5.20±0.20
C	1.60±0.20
D	1.10±0.30
E	2.50±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC0518HP-R33MG-D	0.33	±20	1V/100K	7.50	8.60	15.0	14.0	11.0	10.0
TMPC0518HP-R47MG-D	0.47	±20	1V/100K	9.80	11.3	14.0	13.0	10.0	9.00
TMPC0518HP-R56MG-D	0.56	±20	1V/100K	11.0	13.0	13.5	12.5	9.50	8.50
TMPC0518HP-R68MG-D	0.68	±20	1V/100K	12.4	14.3	13.0	11.5	9.00	8.00
TMPC0518HP-1R0MG-D	1.00	±20	1V/100K	18.2	21.0	10.0	9.00	6.80	6.00
TMPC0518HP-1R5MG-D	1.50	±20	1V/100K	26.0	30.0	9.00	8.00	6.00	5.00
TMPC0518HP-2R0MG-D	2.00	±20	1V/100K	35.0	42.0	8.00	7.00	5.00	4.00
TMPC0518HP-2R2MG-D	2.20	±20	1V/100K	42.0	48.3	7.50	6.50	4.50	3.70
TMPC0518HP-3R3MG-D	3.30	±20	1V/100K	60.0	69.0	5.00	4.50	3.50	3.00
TMPC0518HP-4R7MG-D	4.70	±20	1V/100K	85.0	98.0	4.50	4.00	3.00	2.60
TMPC0518HP-5R6MG-D	5.60	±20	1V/100K	110	127	4.00	3.70	2.50	2.10
TMPC0518HP-6R8MG-D	6.80	±20	1V/100K	118	137	3.50	3.20	2.40	2.00
TMPC0518HP-8R2MG-D	8.20	±20	1V/100K	143	165	3.00	2.80	2.30	1.90
TMPC0518HP-100MG-D	10.0	±20	1V/100K	165	190	2.80	2.50	2.30	1.90
TMPC0518HP-150MG-D	15.0	±20	1V/100K	275	318	2.30	2.00	1.70	1.40

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

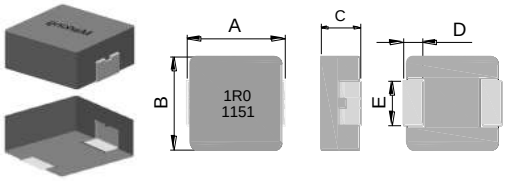
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors

TMPC0502HP Series

(2323 inch -40～+125℃)

■ Dimensions



Dimensions	
A	5.70±0.30
B	5.20±0.20
C	1.80±0.20
D	1.10±0.30
E	2.50±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC0502HP-R10YG-D	0.10	±30	1V/100K	3.60	4.00	45.0	40.0	18.0	16.0
TMPC0502HP-R12YG-D	0.12	±30	1V/100K	3.70	4.30	35.0	30.0	17.0	15.0
TMPC0502HP-R15YG-D	0.15	±30	1V/100K	3.80	4.60	27.0	23.0	16.0	14.0
TMPC0502HP-R22MG-D	0.22	±20	1V/100K	4.00	5.50	25.0	22.0	15.0	13.0
TMPC0502HP-R24MG-D	0.24	±20	1V/100K	6.00	7.00	23.0	21.0	13.0	12.0
TMPC0502HP-R33MG-D	0.33	±20	1V/100K	6.30	7.30	21.3	20.0	12.0	11.0
TMPC0502HP-R36MG-D	0.36	±20	1V/100K	6.80	7.80	20.0	18.0	11.8	11.0
TMPC0502HP-R47MG-D	0.47	±20	1V/100K	7.30	8.60	18.0	16.0	11.5	10.5
TMPC0502HP-R56MG-D	0.56	±20	1V/100K	9.30	11.2	15.0	14.0	10.7	10.2
TMPC0502HP-R68MG-D	0.68	±20	1V/100K	11.0	12.4	12.8	12.0	10.0	9.50
TMPC0502HP-R82MG-D	0.82	±20	1V/100K	15.0	18.0	14.0	12.0	8.50	7.50
TMPC0502HP-1R0MG-D	1.00	±20	1V/100K	17.5	20.0	13.7	12.0	7.00	6.50
TMPC0502HP-1R2MG-D	1.20	±20	1V/100K	23.0	28.0	11.0	10.0	6.20	6.00
TMPC0502HP-1R5MG-D	1.50	±20	1V/100K	26.5	30.5	9.80	9.00	5.50	5.00
TMPC0502HP-2R2MG-D	2.20	±20	1V/100K	42.0	50.0	9.00	8.00	4.20	3.80
TMPC0502HP-2R7MG-D	2.70	±20	1V/100K	50.0	58.0	8.20	7.50	4.00	3.60
TMPC0502HP-3R3MG-D	3.30	±20	1V/100K	66.0	76.0	7.30	7.00	3.30	3.00
TMPC0502HP-4R7MG-D	4.70	±20	1V/100K	103	116	5.00	4.60	2.80	2.50
TMPC0502HP-5R6MG-D	5.60	±20	1V/100K	112	122	4.00	3.70	2.50	2.10
TMPC0502HP-6R8MG-D	6.80	±20	1V/100K	130	150	3.80	3.50	2.40	2.00
TMPC0502HP-8R2MG-D	8.20	±20	1V/100K	148	171	3.50	3.30	2.30	2.00
TMPC0502HP-100MG-D	10.0	±20	1V/100K	180	199	3.40	3.20	2.30	2.00
TMPC0502HP-150MG-D	15.0	±20	1V/100K	240	270	2.80	2.50	1.90	1.60
TMPC0502HP-220MG-D	22.0	±20	1V/100K	350	390	1.80	1.50	1.50	1.20

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

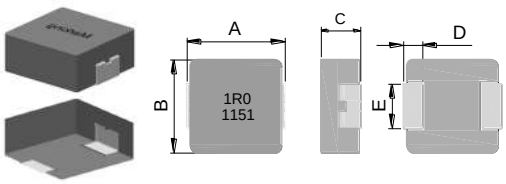
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors

TMPC0503HP Series

(2323 inch -40 ~+125℃)

■ Dimensions



Dimensions	
A	5.70±0.30
B	5.20±0.20
C	2.80±0.20
D	1.10±0.30
E	2.50±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I rms (A) typ.
TMPC0503HP-R10YG-D	0.10	±30	1V/100K	2.50	3.00	27.0	23.0
TMPC0503HP-R22MG-D	0.22	±20	1V/100K	3.70	4.40	21.0	15.5
TMPC0503HP-R33MG-D	0.33	±20	1V/100K	4.50	5.20	19.0	13.7
TMPC0503HP-R47MG-D	0.47	±20	1V/100K	6.70	7.10	16.0	12.2
TMPC0503HP-R68MG-D	0.68	±20	1V/100K	8.20	9.00	13.5	10.2
TMPC0503HP-R82MG-D	0.82	±20	1V/100K	10.2	11.9	13.0	9.30
TMPC0503HP-1R0MG-D	1.00	±20	1V/100K	12.6	13.7	12.0	8.80
TMPC0503HP-1R2MG-D	1.20	±20	1V/100K	13.0	17.0	11.5	8.00
TMPC0503HP-1R5MG-D	1.50	±20	1V/100K	18.7	20.7	11.0	7.20
TMPC0503HP-2R2MG-D	2.20	±20	1V/100K	25.0	29.2	10.0	5.80
TMPC0503HP-3R3MG-D	3.30	±20	1V/100K	41.0	49.2	8.50	5.00
TMPC0503HP-4R7MG-D	4.70	±20	1V/100K	71.0	77.5	8.20	3.50
TMPC0503HP-5R6MG-D	5.60	±20	1V/100K	88.5	102	7.00	3.00
TMPC0503HP-6R8MG-D	6.80	±20	1V/100K	96.0	112	6.00	2.80
TMPC0503HP-8R2MG-D	8.20	±20	1V/100K	99.0	114	4.50	2.60
TMPC0503HP-100MG-D	10.0	±20	1V/100K	112	130	4.00	2.50
TMPC0503HP-150MG-D	15.0	±20	1V/100K	210	242	2.50	1.90
TMPC0503HP-220MG-D	22.0	±20	1V/100K	260	310	2.20	1.40

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

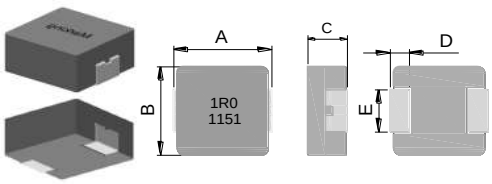
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors

TMPC053T Series

(1919 inch -40 ~+125℃)

■ Dimensions



Dimensions	
A	4.90±0.30
B	4.70±0.20
C	2.80±0.20
D	1.00±0.30
E	1.50±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I rms (A) typ.
TMPC053T-R10MG-V01	0.10	±20	1V/100K	2.00	2.50	34.0	20.0
TMPC053T-R20MG-V01	0.20	±20	1V/100K	3.0	3.70	21.0	14.5
TMPC053T-R47MG-V01	0.47	±20	1V/100K	7.10	8.10	16.0	10.0
TMPC053T-R56MG-V01	0.56	±20	1V/100K	7.30	8.40	15.0	9.50
TMPC053T-R68MG-V01	0.68	±20	1V/100K	8.10	9.00	14.0	8.50
TMPC053T-1R0MG-V01	1.00	±20	1V/100K	12.5	14.0	11.0	7.00
TMPC053T-1R2MG-V01	1.20	±20	1V/100K	14.0	16.0	11.0	6.50
TMPC053T-1R5MG-V01	1.50	±20	1V/100K	17.0	22.0	10.0	6.00
TMPC053T-2R2MG-V01	2.20	±20	1V/100K	24.0	27.0	9.00	5.50
TMPC053T-3R3MG-V01	3.30	±20	1V/100K	32.0	38.0	7.00	5.00
TMPC053T-4R7MG-V01	4.70	±20	1V/100K	50.0	60.0	5.00	4.50
TMPC053T-100MG-V01	10.0	±20	1V/100K	104.0	125.0	3.70	3.30

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

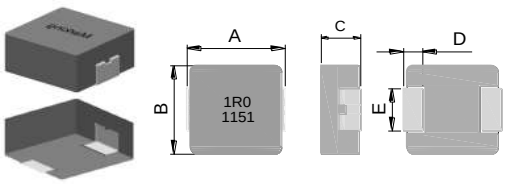
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors

TMPC0612H Series

(2828 inch -40～+125℃)

■ Dimensions



Dimensions	
A	7.00±0.30
B	6.60±0.30
C	1.00±0.20
D	1.80±0.30
E	2.50±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC0612H-R10YG-D	0.10	±30	1V/100K	3.30	4.00	30.0	28.0	16.0	14.0
TMPC0612H-R15YG-D	0.15	±30	1V/100K	4.90	5.70	24.0	22.0	14.0	13.0
TMPC0612H-R22YG-D	0.22	±30	1V/100K	6.50	7.50	19.0	17.0	11.0	10.0
TMPC0612H-R33MG-D	0.33	±20	1V/100K	9.00	10.0	16.0	14.0	9.50	9.00
TMPC0612H-R47MG-D	0.47	±20	1V/100K	13.0	17.0	12.0	11.0	8.50	8.00
TMPC0612H-R68MG-D	0.68	±20	1V/100K	17.0	19.0	9.00	8.50	7.00	6.00
TMPC0612H-1R0MG-D	1.00	±20	1V/100K	27.0	30.0	7.00	6.50	6.00	5.00
TMPC0612H-1R2MG-D	1.20	±20	1V/100K	31.0	36.0	6.80	6.00	5.00	4.50
TMPC0612H-1R5MG-D	1.50	±20	1V/100K	35.0	40.0	6.50	5.50	4.50	4.00
TMPC0612H-2R2MG-D	2.20	±20	1V/100K	53.0	61.0	5.00	4.50	4.00	3.50
TMPC0612H-3R3MG-D	3.30	±20	1V/100K	90.0	103	4.00	3.60	3.20	2.80
TMPC0612H-4R7MG-D	4.70	±20	1V/100K	130	150	3.80	3.20	2.50	2.30
TMPC0612H-6R8MG-D	6.80	±20	1V/100K	172	198	3.00	2.70	2.10	1.90
TMPC0612H-100MG-D	10.0	±20	1V/100K	280	290	2.50	2.30	1.80	1.60
TMPC0612H-220MG-D	22.0	±20	1V/100K	540	600	1.70	1.60	1.20	1.00

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

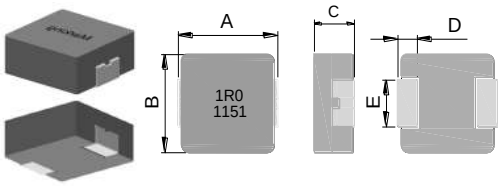
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors

TMPC0618H Series

(2828 inch -40～+125℃)

■ Dimensions



Dimensions	
A	7.00±0.30
B	6.60±0.30
C	1.60±0.20
D	1.80±0.30
E	3.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC0618H-R10YG-D	0.10	±30	1V/100K	2.10	2.50	45.0	40.0	18.0	16.0
TMPC0618H-R22MG-D	0.22	±20	1V/100K	2.50	3.00	26.0	24.0	16.0	14.0
TMPC0618H-R33MG-D	0.33	±20	1V/100K	4.80	5.80	22.0	19.0	14.0	12.0
TMPC0618H-R47MG-D	0.47	±20	1V/100K	6.40	7.40	18.0	16.0	12.0	10.0
TMPC0618H-R56MG-D	0.56	±20	1V/100K	8.50	10.0	17.5	15.0	11.0	9.50
TMPC0618H-R68MG-D	0.68	±20	1V/100K	9.50	11.0	17.0	15.0	10.0	9.00
TMPC0618H-R82MG-D	0.82	±20	1V/100K	11.5	14.0	15.5	14.0	8.50	7.90
TMPC0618H-1R0MG-D	1.00	±20	1V/100K	14.5	17.0	14.0	12.0	7.00	6.50
TMPC0618H-1R2MG-D	1.20	±20	1V/100K	20.0	24.0	13.5	11.0	6.50	6.00
TMPC0618H-1R5MG-D	1.50	±20	1V/100K	21.0	25.2	13.0	11.0	6.00	5.50
TMPC0618H-2R2MG-D	2.20	±20	1V/100K	31.0	35.0	11.0	10.0	6.00	5.50
TMPC0618H-3R3MG-D	3.30	±20	1V/100K	40.0	46.0	9.00	8.00	5.00	4.50
TMPC0618H-4R7MG-D	4.70	±20	1V/100K	68.0	76.0	7.00	6.00	4.00	3.60
TMPC0618H-5R6MG-D	5.60	±20	1V/100K	78.0	86.0	6.00	5.00	3.50	3.10
TMPC0618H-6R8MG-D	6.80	±20	1V/100K	93.0	104	5.50	4.50	3.00	2.60
TMPC0618H-8R2MG-D	8.20	±20	1V/100K	123	140	4.50	3.80	2.60	2.20
TMPC0618H-100MG-D	10.0	±20	1V/100K	143	160	3.50	3.10	2.30	2.00
TMPC0618H-150MG-D	15.0	±20	1V/100K	240	280	3.00	2.70	2.00	1.70
TMPC0618H-220MG-D	22.0	±20	1V/100K	300	360	2.50	2.10	1.80	1.50
TMPC0618H-330MG-D	33.0	±20	1V/100K	550	650	2.10	1.80	1.30	1.10

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

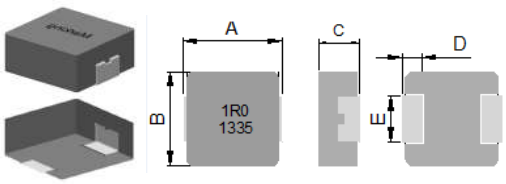
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors

TMPC0602H Series

(2828 inch -40 ~+125℃)

■ Dimensions



Dimensions	
A	7.00±0.30
B	6.60±0.30
C	1.80±0.20
D	1.80±0.30
E	3.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I rms (A) typ.
TMPC0602H-R10YG-D	0.10	±30	1V/100K	2.00	2.40	40.0	21.0
TMPC0602H-R12YG-D	0.12	±30	1V/100K	2.20	2.60	39.5	20.0
TMPC0602H-R15YG-D	0.15	±30	1V/100K	2.30	2.70	39.0	18.0
TMPC0602H-R16YG-D	0.16	±30	1V/100K	2.30	2.70	38.0	18.0
TMPC0602H-R18YG-D	0.18	±30	1V/100K	2.40	2.90	36.0	18.0
TMPC0602H-R20YG-D	0.20	±30	1V/100K	2.50	3.00	35.0	18.0
TMPC0602H-R22YG-D	0.22	±30	1V/100K	3.50	4.00	32.0	15.0
TMPC0602H-R24MG-D	0.24	±20	1V/100K	3.60	4.30	32.0	14.5
TMPC0602H-R33MG-D	0.33	±20	1V/100K	4.50	5.00	25.0	14.0
TMPC0602H-R47MG-D	0.47	±20	1V/100K	7.10	8.30	20.0	11.7
TMPC0602H-R56MG-D	0.56	±20	1V/100K	7.90	9.30	18.0	11.0
TMPC0602H-R68MG-D	0.68	±20	1V/100K	8.30	10.0	16.0	10.5
TMPC0602H-R82MG-D	0.82	±20	1V/100K	12.5	16.0	15.0	9.50
TMPC0602H-1R0MG-D	1.00	±20	1V/100K	16.5	18.0	14.0	8.00
TMPC0602H-1R2MG-D	1.20	±20	1V/100K	19.0	23.0	13.0	7.50
TMPC0602H-1R5MG-D	1.50	±20	1V/100K	23.0	27.0	12.0	7.00
TMPC0602H-2R2MG-D	2.20	±20	1V/100K	32.0	37.0	10.0	6.00
TMPC0602H-3R3MG-D	3.30	±20	1V/100K	43.0	48.0	8.00	5.00
TMPC0602H-4R7MG-D	4.70	±20	1V/100K	53.0	60.0	7.00	4.50
TMPC0602H-5R6MG-D	5.60	±20	1V/100K	59.0	68.0	6.00	4.00
TMPC0602H-6R8MG-D	6.80	±20	1V/100K	63.0	73.0	5.50	4.00
TMPC0602H-8R2MG-D	8.20	±20	1V/100K	101	116	5.00	3.20
TMPC0602H-100MG-D	10.0	±20	1V/100K	134	154	4.00	2.80
TMPC0602H-150MG-D	15.0	±20	1V/100K	190	210	3.30	2.10
TMPC0602H-220MG-D	22.0	±20	1V/100K	236	280	2.50	1.50

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

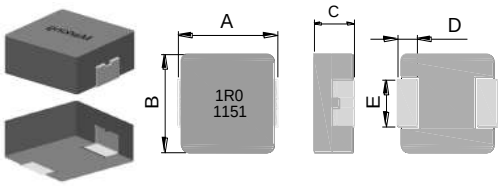
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors

TMPC0624H Series

(2828 inch -40~+125℃)

■ Dimensions



Dimensions	
A	7.00±0.30
B	6.60±0.30
C	2.20±0.20
D	1.80±0.30
E	3.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC0624H-R10YG-D	0.10	±30	1V/100K	1.4	1.7	70	65	30	26
TMPC0624H-R22MG-D	0.22	±20	1V/100K	2.00	3.20	34.0	30.0	21.0	19.0
TMPC0624H-R33MG-D	0.33	±20	1V/100K	3.60	4.40	30.0	27.0	18.0	17.0
TMPC0624H-R36MG-D	0.36	±20	1V/100K	3.80	4.60	29.0	25.0	17.0	15.0
TMPC0624H-R47MG-D	0.47	±20	1V/100K	4.80	5.10	26.0	22.0	15.0	14.0
TMPC0624H-R56MG-D	0.56	±20	1V/100K	5.50	6.50	24.0	20.0	13.0	12.0
TMPC0624H-R60MG-D	0.60	±20	1V/100K	5.70	6.90	22.0	19.0	13.0	12.0
TMPC0624H-R68MG-D	0.68	±20	1V/100K	6.40	7.20	21.0	18.0	13.0	12.0
TMPC0624H-R82MG-D	0.82	±20	1V/100K	8.00	9.50	17.0	15.0	11.0	10.0
TMPC0624H-1R0MG-D	1.00	±20	1V/100K	10.5	13.5	16.0	14.0	11.0	10.0
TMPC0624H-1R5MG-D	1.50	±20	1V/100K	17.0	20.0	15.0	13.0	9.00	8.00
TMPC0624H-2R2MG-D	2.20	±20	1V/100K	23.0	28.0	14.0	11.0	7.00	6.00
TMPC0624H-3R3MG-D	3.30	±20	1V/100K	34.0	39.0	10.0	9.00	6.00	5.00
TMPC0624H-4R7MG-D	4.70	±20	1V/100K	41.0	50.0	9.00	7.00	5.50	4.80
TMPC0624H-5R6MG-D	5.60	±20	1V/100K	56.0	62.0	8.00	6.50	5.00	4.50
TMPC0624H-6R8MG-D	6.80	±20	1V/100K	65.0	72.0	7.00	6.00	4.00	3.60
TMPC0624H-8R2MG-D	8.20	±20	1V/100K	81.0	95.0	6.00	5.40	3.60	3.20
TMPC0624H-100MG-D	10.0	±20	1V/100K	92.0	101	5.00	4.70	3.20	2.90
TMPC0624H-150MG-D	15.0	±20	1V/100K	150.0	180	3.5	3.1	2.5	2.1
TMPC0624H-220MG-D	22.0	±20	1V/100K	185.0	215	3.0	2.7	1.8	1.4

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

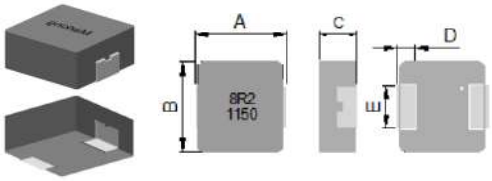
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors

TMPC0603H Series

(2828 inch -40～+125℃)

■ Dimensions



Dimensions	
A	7.30±0.30
B	6.60±0.30
C	2.80±0.20
D	1.80±0.30
E	3.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC0603H-72NYG-D	0.072	±30	1V/100K	0.6	0.72	65.0	/	35.0	/
TMPC0603H-R10YG-D	0.10	±30	1V/100K	1.20	1.70	60.0	55.0	32.5	28.0
TMPC0603H-R13YG-D	0.13	±30	1V/100K	1.30	1.80	50.0	45.0	27.6	24.0
TMPC0603H-R15YG-D	0.15	±30	1V/100K	1.50	1.90	45.0	40.0	27.0	23.0
TMPC0603H-R16YG-D	0.16	±30	1V/100K	1.50	1.90	45.0	40.0	27.0	23.0
TMPC0603H-R18YG-D	0.18	±30	1V/100K	1.70	2.30	43.0	39.0	25.0	22.0
TMPC0603H-R19YG-D	0.19	±30	1V/100K	1.80	2.50	41.0	37.0	24.0	21.0
TMPC0603H-R20YG-D	0.20	±30	1V/100K	1.80	2.50	41.0	37.0	24.0	21.0
TMPC0603H-R22YG-D	0.22	±30	1V/100K	2.10	2.80	40.0	36.0	23.0	20.0
TMPC0603H-R24MG-D	0.24	±20	1V/100K	2.50	3.10	39.0	35.0	22.0	19.0
TMPC0603H-R25MG-D	0.25	±20	1V/100K	3.30	3.50	39.0	35.0	21.0	18.0
TMPC0603H-R30MG-D	0.30	±20	1V/100K	3.20	3.80	35.0	31.0	21.0	18.0
TMPC0603H-R33MG-D	0.33	±20	1V/100K	3.50	3.90	32.0	28.0	20.0	17.0
TMPC0603H-R36MG-D	0.36	±20	1V/100K	3.60	4.20	32.0	28.0	19.0	16.5
TMPC0603H-R40MG-D	0.40	±20	1V/100K	3.71	4.10	27.5	24.0	18.0	15.5
TMPC0603H-R47MG-D	0.47	±20	1V/100K	4.00	4.20	26.0	23.0	17.5	16.0
TMPC0603H-R56MG-D	0.56	±20	1V/100K	4.70	5.00	25.5	22.5	16.5	15.0
TMPC0603H-R60MG-D	0.60	±20	1V/100K	4.70	5.20	25.5	22.5	16.0	14.5
TMPC0603H-R68MG-D	0.68	±20	1V/100K	4.80	5.50	25.0	22.0	15.5	14.0
TMPC0603H-R75MG-D	0.75	±20	1V/100K	5.50	6.60	24.5	22.0	14.5	13.5
TMPC0603H-R82MG-D	0.82	±20	1V/100K	6.70	8.00	24.0	21.0	13.0	12.0

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors

TMPC0603H Series

(2828 inch -55～+125℃)

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC0603H-1R0MG-D	1.00	±20	1V/100K	8.3	10	22.0	19.0	11.0	10.0
TMPC0603H-1R2MG-D	1.20	±20	1V/100K	10	12	20.0	18.0	10.0	9.00
TMPC0603H-1R5MG-D	1.50	±20	1V/100K	13	15	18.0	17.0	9.00	8.00
TMPC0603H-1R8MG-D	1.80	±20	1V/100K	14	17	16.0	15.0	8.50	7.50
TMPC0603H-2R0MG-D	2.00	±20	1V/100K	16	19	15.0	13.0	8.20	7.20
TMPC0603H-2R2MG-D	2.20	±20	1V/100K	18	20	14.0	12.0	8.00	7.00
TMPC0603H-2R5MG-D	2.50	±20	1V/100K	20	22	13.0	11.0	7.00	6.20
TMPC0603H-2R7MG-D	2.70	±20	1V/100K	24	27	13.0	11.0	7.00	6.20
TMPC0603H-3R3MG-D	3.30	±20	1V/100K	28	30	13.5	11.5	6.00	5.30
TMPC0603H-4R7MG-D	4.70	±20	1V/100K	37	40	10.0	8.50	5.50	4.90
TMPC0603H-5R6MG-D	5.60	±20	1V/100K	43	48	9.00	8.00	5.00	4.50
TMPC0603H-6R8MG-D	6.80	±20	1V/100K	54	60	8.00	7.00	4.50	4.00
TMPC0603H-8R2MG-D	8.20	±20	1V/100K	64	68	7.50	6.50	4.00	3.60
TMPC0603H-100MG-D	10.0	±20	1V/100K	75	85	6.00	5.00	3.50	3.10
TMPC0603H-150MG-D	15.0	±20	1V/100K	107	123	4.00	3.20	3.00	2.70
TMPC0603H-220MG-D	22.0	±20	1V/100K	165	190	3.50	2.90	2.00	1.80
TMPC0603H-330MG-D	33.0	±20	1V/100K	200	240	2.50	2.20	2.00	1.80
TMPC0603H-470MG-D	47.0	±20	1V/100K	302	363	2.00	1.70	1.75	1.60

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

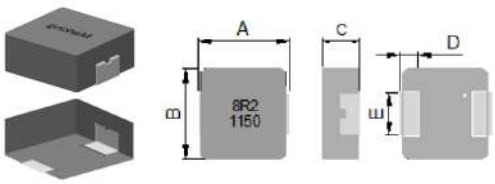
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors

TMPC0604H Series

(2828 inch -40~+125℃)

■ Dimensions



Dimensions	
A	7.30±0.30
B	6.60±0.30
C	3.80±0.20
D	1.80±0.30
E	3.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC0604H-R15YG-D	0.15	±30	1V/100K	0.90	1.20	55.00	51.00	30.00	28.00
TMPC0604H-R22MG-D	0.22	±20	1V/100K	1.85	2.10	37.00	34.00	28.00	25.00
TMPC0604H-R33MG-D	0.33	±20	1V/100K	2.00	2.60	34.00	31.00	26.00	23.00
TMPC0604H-R36MG-D	0.36	±20	1V/100K	2.70	3.10	31.00	29.00	25.00	22.00
TMPC0604H-R47MG-D	0.47	±20	1V/100K	3.00	3.40	28.00	26.00	23.00	20.00
TMPC0604H-R56MG-D	0.56	±20	1V/100K	3.80	4.30	26.00	24.00	20.00	18.00
TMPC0604H-R68MG-D	0.68	±20	1V/100K	4.10	4.50	24.00	22.00	16.00	14.00
TMPC0604H-R82MG-D	0.82	±20	1V/100K	5.50	6.30	23.00	20.00	15.00	13.00
TMPC0604H-1R0MG-D	1.00	±20	1V/100K	6.80	8.00	22.00	19.00	14.00	12.00
TMPC0604H-1R5MG-D	1.50	±20	1V/100K	10.00	12.00	20.00	18.00	12.00	10.00
TMPC0604H-2R2MG-D	2.20	±20	1V/100K	11.50	14.00	14.00	13.00	9.00	8.50
TMPC0604H-3R3MG-D	3.30	±20	1V/100K	24.00	27.00	12.00	11.00	8.00	7.50
TMPC0604H-4R7MG-D	4.70	±20	1V/100K	28.00	32.50	11.00	10.00	6.00	5.50
TMPC0604H-5R6MG-D	5.60	±20	1V/100K	33.00	38.00	9.00	8.50	5.00	4.50
TMPC0604H-6R8MG-D	6.80	±20	1V/100K	44.00	50.00	8.50	8.00	4.50	4.30
TMPC0604H-8R2MG-D	8.20	±20	1V/100K	55.00	64.00	8.00	7.50	4.50	4.00
TMPC0604H-100MG-D	10.00	±20	1V/100K	64.00	72.00	7.00	6.50	4.00	3.70
TMPC0604H-150MG-D	15.00	±20	1V/100K	80.00	90.00	4.00	3.50	3.00	2.80

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

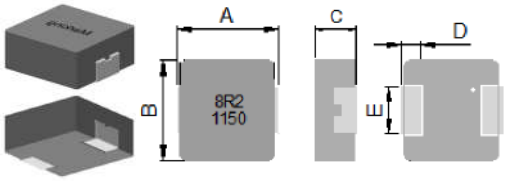
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors

TMPC0605H Series

(2828 inch -40~+125℃)

■ Dimensions



Dimensions	
A	7.30±0.30
B	6.60±0.30
C	4.80±0.20
D	1.80±0.30
E	3.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I rms (A) typ.
TMPC0605H-R33MG-D	0.33	±20	1V/100K	2.50	3.00	32.0	25.0
TMPC0605H-R40MG-D	0.40	±20	1V/100K	3.10	3.70	31.0	23.0
TMPC0605H-R47MG-D	0.47	±20	1V/100K	3.50	3.90	30.0	22.0
TMPC0605H-R56MG-D	0.56	±20	1V/100K	3.60	4.20	27.0	20.0
TMPC0605H-R60MG-D	0.60	±20	1V/100K	3.80	4.30	25.0	19.0
TMPC0605H-R68MG-D	0.68	±20	1V/100K	4.00	4.50	24.0	18.0
TMPC0605H-R82MG-D	0.82	±20	1V/100K	4.60	4.90	22.0	16.5
TMPC0605H-1R0MG-D	1.00	±20	1V/100K	6.10	6.50	20.0	15.0
TMPC0605H-1R2MG-D	1.20	±20	1V/100K	6.70	7.50	18.0	14.0
TMPC0605H-1R5MG-D	1.50	±20	1V/100K	8.60	9.00	16.5	12.0
TMPC0605H-1R8MG-D	1.80	±20	1V/100K	9.50	11.0	15.0	12.0
TMPC0605H-2R2MG-D	2.20	±20	1V/100K	11.2	12.0	14.0	10.0
TMPC0605H-3R3MG-D	3.30	±20	1V/100K	19.0	20.9	12.0	8.00
TMPC0605H-4R7MG-D	4.70	±20	1V/100K	28.0	30.8	10.0	6.50
TMPC0605H-4R9MG-D	4.90	±20	1V/100K	32.0	38.0	9.50	6.30
TMPC0605H-5R6MG-D	5.60	±20	1V/100K	43.5	49.0	9.00	6.00
TMPC0605H-6R8MG-D	6.80	±20	1V/100K	46.0	51.5	8.50	5.50
TMPC0605H-8R2MG-D	8.20	±20	1V/100K	56.0	63.0	8.00	5.00
TMPC0605H-100MG-D	10.0	±20	1V/100K	60.0	69.0	7.50	4.00
TMPC0605H-120MG-D	12.0	±20	1V/100K	68.0	80.0	6.70	3.80
TMPC0605H-150MG-D	15.0	±20	1V/100K	81.0	92.0	6.00	3.50
TMPC0605H-220MG-D	22.0	±20	1V/100K	140	170	5.50	2.50

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

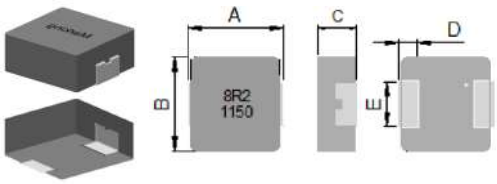
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors

TMPC8030HP Series

(3535 inch -40~+125℃)

■ Dimensions



Dimensions	
A	8.80±0.40
B	8.40±0.30
C	2.80±0.20
D	1.60±0.30
E	5.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC8030HP-R33MG-D	0.33	±20	1V/100K	2.2	2.5	47.0	42.0	25.0	22.0
TMPC8030HP-R47MG-D	0.47	±20	1V/100K	3.0	3.3	36.0	33.0	20.0	17.0
TMPC8030HP-1R0MG-D	1.00	±20	1V/100K	5.5	6.05	26.0	24.0	14.0	12.0
TMPC8030HP-1R5MG-D	1.50	±20	1V/100K	9.0	10.4	23.0	20.0	13.0	11.0
TMPC8030HP-2R2MG-D	2.20	±20	1V/100K	11.7	13.0	21.0	19.0	11.5	9.5
TMPC8030HP-3R3MG-D	3.30	±20	1V/100K	19.0	21.9	16.0	14.0	10.0	8.5
TMPC8030HP-4R7MG-D	4.70	±20	1V/100K	28.0	32.2	14.0	12.0	9.0	8.0
TMPC8030HP-6R8MG-D	6.80	±20	1V/100K	49.5	57.0	13.0	11.0	7.0	6.0
TMPC8030HP-8R2MG-D	8.20	±20	1V/100K	56.0	64.4	11.0	9.0	5.5	4.5
TMPC8030HP-100MG-D	10.0	±20	1V/100K	65.0	74.5	9.0	8.0	4.8	4.2
TMPC8030HP-150MG-D	15.0	±20	1V/100K	102.0	122.0	7.0	6.0	3.8	3.3
TMPC8030HP-220MG-D	22.0	±20	1V/100K	135.0	162.0	6.5	5.5	3.2	2.8

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

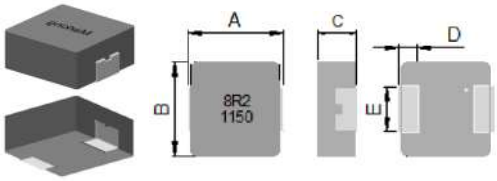
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors

TMPC8040HP Series

(3535 inch -40~+125℃)

■ Dimensions



Dimensions	
A	8.80±0.40
B	8.40±0.30
C	3.80±0.20
D	1.60±0.30
E	5.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC8040HP-R22MG-D	0.22	±20	1V/100K	1.60	1.80	60.0	56.0	31.0	29.0
TMPC8040HP-R33MG-D	0.33	±20	1V/100K	2.00	2.20	55.0	50.0	30.0	28.0
TMPC8040HP-R47MG-D	0.47	±20	1V/100K	2.60	2.90	40.0	35.0	28.0	25.0
TMPC8040HP-R56MG-D	0.56	±20	1V/100K	2.70	3.00	38.0	34.0	25.0	24.0
TMPC8040HP-R68MG-D	0.68	±20	1V/100K	3.10	3.40	36.0	32.0	23.0	21.0
TMPC8040HP-R82MG-D	0.82	±20	1V/100K	3.70	4.10	32.0	29.0	21.0	19.0
TMPC8040HP-1R0MG-D	1.00	±20	1V/100K	4.50	5.00	29.0	26.0	18.0	16.0
TMPC8040HP-1R5MG-D	1.50	±20	1V/100K	6.60	7.30	27.0	24.0	17.0	15.0
TMPC8040HP-2R2MG-D	2.20	±20	1V/100K	10.8	11.9	25.0	22.0	16.0	14.0
TMPC8040HP-3R3MG-D	3.30	±20	1V/100K	15.0	16.5	22.0	20.0	14.0	12.0
TMPC8040HP-4R7MG-D	4.70	±20	1V/100K	26.8	29.5	19.0	16.0	8.50	7.50
TMPC8040HP-5R6MG-D	5.60	±20	1V/100K	30.0	35.0	17.0	15.0	7.50	6.80
TMPC8040HP-6R8MG-D	6.80	±20	1V/100K	40.0	46.0	16.5	14.5	6.50	5.80
TMPC8040HP-8R2MG-D	8.20	±20	1V/100K	44.0	51.0	16.0	14.0	6.50	5.80
TMPC8040HP-100MG-D	10.0	±20	1V/100K	53.0	61.0	10.0	8.5	5.60	5.20

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

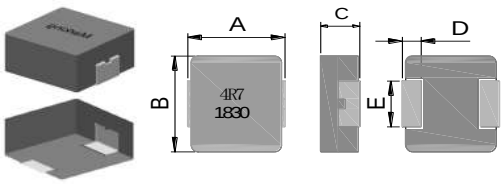
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors

TMPC1002H Series

(4343 inch -40~+125℃)

■ Dimensions



Dimensions	
A	11.0±0.50
B	10.0±0.30
C	1.80±0.20
D	2.30±0.30
E	3.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC1002H-1R0MG-D	1.00	±20	1V/100K	15.0	18.0	26.0	20.0	8.50	7.50
TMPC1002H-1R5MG-D	1.50	±20	1V/100K	21.0	25.0	23.0	18.0	8.00	7.00
TMPC1002H-2R2MG-D	2.20	±20	1V/100K	27.0	32.0	19.0	16.0	7.00	6.00
TMPC1002H-3R3MG-D	3.30	±20	1V/100K	44.0	52.0	16.0	14.0	5.50	4.50
TMPC1002H-4R7MG-D	4.70	±20	1V/100K	54.0	64.0	14.0	12.0	5.00	4.00
TMPC1002H-6R7MG-D	6.70	±20	1V/100K	63.0	73.0	11.0	9.00	4.00	3.50
TMPC1002H-8R2MG-D	8.20	±20	1V/100K	90.0	105	9.00	7.00	3.20	2.70
TMPC1002H-100MG-D	10.0	±20	1V/100K	100	120	7.0	6.0	3.0	2.6

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

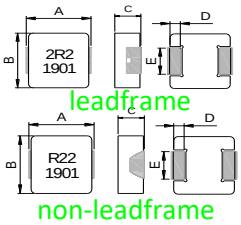
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors

TMPC1003H Series

(4343 inch -40~+125℃)

■ Dimensions



Dimensions	
A	11.0±0.50
B	10.0±0.30
C	2.80±0.20
D	2.30±0.30
E	3.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I rms (A) typ.
TMPC1003H-R47MG-D	0.47	±20	1V/100K	2.10	2.50	33.0	20.0
TMPC1003H-R56MG-D	0.56	±20	1V/100K	2.60	3.00	24.0	16.0
TMPC1003H-R82MG-D	0.82	±20	1V/100K	3.90	4.50	22.0	15.0
TMPC1003H-1R0MG-D	1.00	±20	1V/100K	4.60	6.00	20.0	15.0
TMPC1003H-1R5MG-D	1.50	±20	1V/100K	6.50	7.50	20.0	13.0
TMPC1003H-2R2MG-D	2.20	±20	1V/100K	8.00	9.00	16.0	12.0
TMPC1003H-3R3MG-D	3.30	±20	1V/100K	14.5	16.0	14.0	9.00
TMPC1003H-4R7MG-D	4.70	±20	1V/100K	20.5	22.5	13.0	7.00
TMPC1003H-5R6MG-D	5.60	±20	1V/100K	28.0	32.5	12.0	7.00
TMPC1003H-6R8MG-D	6.80	±20	1V/100K	30.2	35.0	9.50	6.50
TMPC1003H-8R2MG-D	8.20	±20	1V/100K	42.0	48.0	8.50	6.00
TMPC1003H-100MG-D	10.0	±20	1V/100K	50.0	55.0	8.00	5.00
TMPC1003H-150MG-D	15.0	±20	1V/100K	72.0	86.0	7.00	4.00
TMPC1003H-220MG-D	22.0	±20	1V/100K	115.0	140.0	5.50	3.00
TMPC1003H-330MG-D	33.0	±20	1V/100K	150.0	180.0	5.00	2.50
TMPC1003H-470MG-D	47.0	±20	1V/100K	216.0	260.0	4.00	2.00

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

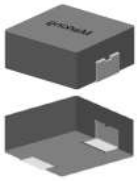
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

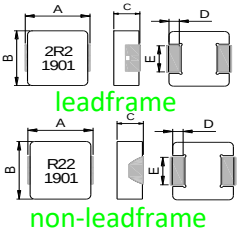
Molding Type High Current Power Inductors

TMPC1004H Series

(4343 inch -40~+125℃)

■ Dimensions





Dimensions	
A	11.0±0.50
B	10.0±0.30
C	3.80±0.20
D	2.30±0.30
E	3.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC1004H-R15YG-D	0.15	±30	1V/100K	0.50	0.60	75.00	70.00	43.00	40.00
TMPC1004H-R18YG-D	0.18	±30	1V/100K	0.54	0.80	72.00	68.00	38.00	36.00
TMPC1004H-R19YG-D	0.19	±30	1V/100K	0.60	0.90	70.00	66.00	36.00	35.00
TMPC1004H-R20YG-D	0.20	±30	1V/100K	0.66	0.95	70.00	64.00	35.00	34.00
TMPC1004H-R22MG-D	0.22	±20	1V/100K	0.80	1.00	60.00	57.00	35.00	33.00
TMPC1004H-R24MG-D	0.24	±20	1V/100K	0.80	1.00	60.00	56.00	34.00	32.00
TMPC1004H-R25MG-D	0.25	±20	1V/100K	0.80	1.00	60.00	55.00	33.50	32.00
TMPC1004H-R27MG-D	0.27	±20	1V/100K	0.82	1.00	60.00	54.00	33.00	31.00
TMPC1004H-R30MG-D	0.30	±20	1V/100K	0.94	1.10	60.00	52.00	32.00	30.00
TMPC1004H-R33MG-D	0.33	±20	1V/100K	1.00	1.20	60.00	50.00	31.00	29.00
TMPC1004H-R36MG-D	0.36	±20	1V/100K	1.05	1.20	60.00	48.00	31.00	28.00
TMPC1004H-R39MG-D	0.39	±20	1V/100K	1.10	1.30	60.00	45.00	30.00	27.00
TMPC1004H-R45MG-D	0.45	±20	1V/100K	1.30	1.50	45.00	41.00	29.00	26.00
TMPC1004H-R47MG-D	0.47	±20	1V/100K	1.30	1.50	43.00	40.00	28.00	25.00
TMPC1004H-R56MG-D	0.56	±20	1V/100K	1.60	1.80	40.00	38.00	25.00	24.00
TMPC1004H-R68MG-D	0.68	±20	1V/100K	2.40	2.70	39.00	37.00	22.00	21.00
TMPC1004H-R75MG-D	0.75	±20	1V/100K	2.40	2.70	39.00	36.00	22.00	20.00
TMPC1004H-R88MG-D	0.88	±20	1V/100K	2.50	2.90	38.00	35.00	20.00	19.00
TMPC1004H-R90MG-D	0.90	±20	1V/100K	2.60	3.00	38.00	35.00	20.00	18.00
TMPC1004H-1R0MG-D	1.00	±20	1V/100K	3.00	3.30	36.00	34.00	18.00	17.00
TMPC1004H-1R2MG-D	1.20	±20	1V/100K	3.30	3.80	33.00	32.00	17.00	16.00

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

TMPC1004H Series

(4343 inch -40~+125℃)

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC1004H-1R5MG-D	1.50	±20	1V/100K	4.00	4.60	33.00	31.00	16.00	15.00
TMPC1004H-1R8MG-D	1.80	±20	1V/100K	5.30	6.40	30.00	29.00	14.00	13.00
TMPC1004H-2R2MG-D	2.20	±20	1V/100K	6.50	7.00	27.00	25.00	12.00	11.00
TMPC1004H-2R5MG-D	2.50	±20	1V/100K	7.90	8.70	23.00	21.00	11.50	10.50
TMPC1004H-3R0MG-D	3.00	±20	1V/100K	10.00	11.50	21.00	19.00	11.50	10.00
TMPC1004H-3R3MG-D	3.30	±20	1V/100K	10.80	11.80	20.00	18.00	11.00	10.00
TMPC1004H-3R9MG-D	3.90	±20	1V/100K	12.60	14.50	19.00	17.00	10.50	9.50
TMPC1004H-4R0MG-D	4.00	±20	1V/100K	13.00	15.00	18.00	17.00	10.20	9.50
TMPC1004H-4R7MG-D	4.70	±20	1V/100K	15.00	15.50	17.00	16.00	10.00	9.00
TMPC1004H-5R6MG-D	5.60	±20	1V/100K	17.00	19.30	14.00	13.00	9.00	8.50
TMPC1004H-6R2MG-D	6.20	±20	1V/100K	17.20	21.30	13.70	12.50	8.70	8.00
TMPC1004H-6R5MG-D	6.50	±20	1V/100K	17.30	22.30	13.60	12.50	8.60	8.00
TMPC1004H-6R8MG-D	6.80	±20	1V/100K	17.50	23.30	13.50	12.30	8.50	7.50
TMPC1004H-7R3MG-D	7.30	±20	1V/100K	19.00	21.80	13.00	12.00	8.30	7.30
TMPC1004H-8R2MG-D	8.20	±20	1V/100K	20.00	22.50	12.50	11.50	8.00	6.80
TMPC1004H-100MG-D	10.0	±20	1V/100K	27.00	30.00	12.00	11.00	7.50	6.30

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

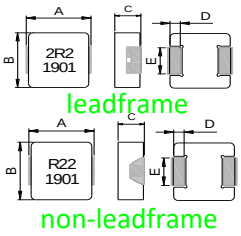
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors

TMPC1005H Series

(4343 inch -40~+125℃)

■ Dimensions



Dimensions	
A	11.0±0.50
B	10.0±0.30
C	4.80±0.20
D	2.30±0.30
E	3.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I rms (A) typ.
TMPC1005H-R22MG-D	0.22	±20	1V/100K	0.45	0.50	70.00	45.00
TMPC1005H-R30MG-D	0.30	±20	1V/100K	0.57	0.61	65.00	38.00
TMPC1005H-R47MG-D	0.47	±20	1V/100K	1.15	1.38	50.00	28.00
TMPC1005H-R50MG-D	0.50	±20	1V/100K	1.30	1.50	48.00	27.00
TMPC1005H-R56MG-D	0.56	±20	1V/100K	1.30	1.50	43.00	26.50
TMPC1005H-R68MG-D	0.68	±20	1V/100K	1.70	1.90	35.00	25.00
TMPC1005H-R82MG-D	0.82	±20	1V/100K	2.00	2.40	36.00	25.00
TMPC1005H-R90MG-D	0.90	±20	1V/100K	2.20	3.00	32.00	25.00
TMPC1005H-1R0MG-D	1.00	±20	1V/100K	2.80	3.50	30.00	22.00
TMPC1005H-1R2MG-D	1.20	±20	1V/100K	2.90	3.50	28.00	20.00
TMPC1005H-1R3MG-D	1.30	±20	1V/100K	3.20	3.70	28.00	20.00
TMPC1005H-1R5MG-D	1.50	±20	1V/100K	3.50	4.10	27.00	19.00
TMPC1005H-1R8MG-D	1.80	±20	1V/100K	3.70	4.70	25.50	17.50
TMPC1005H-2R2MG-D	2.20	±20	1V/100K	5.40	6.00	24.00	16.00
TMPC1005H-3R3MG-D	3.30	±20	1V/100K	9.00	10.40	22.00	14.00
TMPC1005H-4R7MG-D	4.70	±20	1V/100K	10.00	12.50	19.00	13.00
TMPC1005H-5R0MG-D	5.00	±20	1V/100K	12.20	15.00	18.00	12.00
TMPC1005H-5R6MG-D	5.60	±20	1V/100K	14.00	16.80	16.00	10.00
TMPC1005H-6R8MG-D	6.80	±20	1V/100K	16.50	21.00	15.00	9.50
TMPC1005H-8R2MG-D	8.20	±20	1V/100K	18.50	24.00	14.50	9.00
TMPC1005H-100MG-D	10.0	±20	1V/100K	25.00	29.00	13.50	8.00

Note:

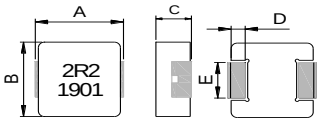
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors

TMPC1203HP Series (5353 inch -40~+125℃)

■ Dimensions



Dimensions	
A	13.5±0.50
B	12.5±0.30
C	2.80±0.20
D	2.30±0.30
E	4.70±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I rms (A) typ.
TMPC1203HP-R36MG-D	0.36	±20	1V/100K	2.2	2.6	50	30
TMPC1203HP-R56MG-D	0.56	±20	1V/100K	2.9	3.5	42	27
TMPC1203HP-R68MG-D	0.68	±20	1V/100K	4.6	5.1	40	25
TMPC1203HP-1R0MG-D	1.00	±20	1V/100K	6.2	8.0	35	22
TMPC1203HP-1R5MG-D	1.50	±20	1V/100K	8.0	9.5	30	18
TMPC1203HP-2R2MG-D	2.20	±20	1V/100K	12	17	25	14
TMPC1203HP-3R3MG-D	3.30	±20	1V/100K	20	24	20	10
TMPC1203HP-4R7MG-D	4.70	±20	1V/100K	29	35	18	8.5
TMPC1203HP-100MG-D	10.0	±20	1V/100K	55	66	12	7.5
TMPC1203HP-150MG-D	15.0	±20	1V/100K	83	92	9.0	6.0
TMPC1203HP-220MG-D	22.0	±20	1V/100K	115	140	6.5	4.0
TMPC1203HP-330MG-D	33.0	±20	1V/100K	150	180	5.0	3.0
TMPC1203HP-470MG-D	47.0	±20	1V/100K	230	280	4.5	2.5

Note:

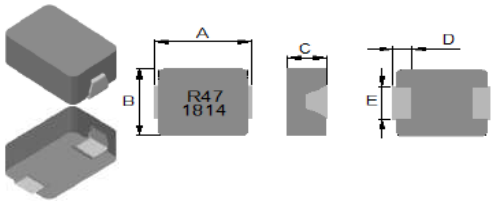
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors

TMPC120804H Series (5131 inch-40~+125℃)

■ Dimensions



Dimensions	
A	13.0±0.50
B	8.00±0.30
C	3.80±0.20
D	2.30±0.30
E	3.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I rms (A) typ.	I rms (A) max.
TMPC120804H-R15MG-D	0.15	±20	1V/100K	0.40	0.52	90	47	37
TMPC120804H-R22MG-D	0.22	±20	1V/100K	0.45	0.60	80	45	35
TMPC120804H-R33YG-D	0.33	±30	1V/100K	0.90	1.05	70	36	31
TMPC120804H-R47MG-D	0.47	±20	1V/100K	1.10	1.20	60	35	30

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

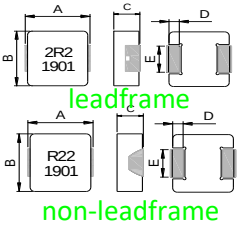
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors

TMPC1235HP Series

(5353 inch -40~+125℃)

■ Dimensions



Dimensions	
A	13.5±0.50
B	12.5±0.30
C	3.30±0.20
D	2.30±0.30
E	4.70±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I rms (A) typ.
TMPC1235HP-1R0MG-D	1.00	±20	1V/100K	2.70	3.50	40.0	24.0
TMPC1235HP-1R2MG-D	1.20	±20	1V/100K	4.00	5.00	37.0	21.0
TMPC1235HP-1R5MG-D	1.50	±20	1V/100K	4.80	5.50	35.0	19.0
TMPC1235HP-1R8MG-D	1.80	±20	1V/100K	5.20	7.00	30.0	17.0
TMPC1235HP-2R2MG-D	2.20	±20	1V/100K	6.30	8.00	29.0	16.0
TMPC1235HP-3R3MG-D	3.30	±20	1V/100K	11.0	13.5	27.0	12.0
TMPC1235HP-4R7MG-D	4.70	±20	1V/100K	15.3	18.5	24.0	10.0
TMPC1235HP-5R6MG-D	5.60	±20	1V/100K	18.0	22.0	19.0	9.50
TMPC1235HP-6R8MG-D	6.80	±20	1V/100K	20.0	24.0	18.0	9.00
TMPC1235HP-8R2MG-D	8.20	±20	1V/100K	23.0	28.0	16.0	8.50
TMPC1235HP-100MG-D	10.0	±20	1V/100K	29.0	34.0	14.0	7.50
TMPC1235HP-150MG-D	15.0	±20	1V/100K	55.0	65.0	10.0	6.50
TMPC1235HP-220MG-D	22.0	±20	1V/100K	83.0	99.0	7.00	4.50
TMPC1235HP-330MG-D	33.0	±20	1V/100K	132.0	160.0	6.00	3.50
TMPC1235HP-470MG-D	47.0	±20	1V/100K	181.0	218.0	5.50	3.00

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

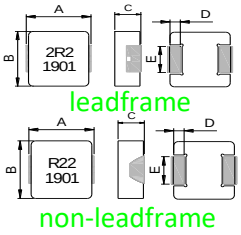
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors

TMPC1205HP Series

(5353 inch -40~+125℃)

■ Dimensions



Dimensions	
A	13.5±0.50
B	12.5±0.30
C	4.80±0.20
D	2.30±0.30
E	4.70±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I rms (A) typ.
TMPC1205HP-R10MG-D	0.10	±20	1V/100K	0.35	0.45	120.00	55.00
TMPC1205HP-R22MG-D	0.22	±20	1V/100K	0.50	0.70	110.00	52.00
TMPC1205HP-R33MG-D	0.33	±20	1V/100K	0.70	0.90	80.00	42.00
TMPC1205HP-R47MG-D	0.47	±20	1V/100K	0.86	1.10	65.00	38.00
TMPC1205HP-R56MG-D	0.56	±20	1V/100K	1.00	1.50	55.00	36.00
TMPC1205HP-R68MG-D	0.68	±20	1V/100K	1.40	1.70	54.00	34.00
TMPC1205HP-R82MG-D	0.82	±20	1V/100K	1.70	2.10	52.00	31.00
TMPC1205HP-1R0MG-D	1.00	±20	1V/100K	1.85	2.50	50.00	29.00
TMPC1205HP-1R5MG-D	1.50	±20	1V/100K	2.80	3.30	48.00	27.00
TMPC1205HP-2R2MG-D	2.20	±20	1V/100K	4.20	5.50	32.00	20.00
TMPC1205HP-2R7MG-D	2.70	±20	1V/100K	4.70	6.70	32.00	17.00
TMPC1205HP-3R3MG-D	3.30	±20	1V/100K	6.80	9.20	32.00	15.00
TMPC1205HP-4R7MG-D	4.70	±20	1V/100K	11.40	15.00	27.00	12.00
TMPC1205HP-5R0MG-D	5.00	±20	1V/100K	12.00	15.50	24.00	12.00
TMPC1205HP-5R6MG-D	5.60	±20	1V/100K	12.30	16.50	22.00	11.50
TMPC1205HP-6R8MG-D	6.80	±20	1V/100K	14.50	18.50	21.00	11.00
TMPC1205HP-8R2MG-D	8.20	±20	1V/100K	16.80	22.50	18.00	9.50
TMPC1205HP-100MG-D	10.0	±20	1V/100K	21.40	25.50	16.00	9.00
TMPC1205HP-120MG-D	12.0	±20	1V/100K	28.00	34.00	15.00	8.60
TMPC1205HP-150MG-D	15.0	±20	1V/100K	32.00	38.00	13.00	8.20
TMPC1205HP-180MG-D	18.0	±20	1V/100K	40.00	45.00	11.00	7.50
TMPC1205HP-220MG-D	22.0	±20	1V/100K	50.00	58.00	10.00	6.50
TMPC1205HP-330MG-D	33.0	±20	1V/100K	73	88	8.0	5.0
TMPC1205HP-470MG-D	47.0	±20	1V/100K	100	120	6.5	4.0
TMPC1205HP-560MG-D	56.0	±20	1V/100K	120	144	6.0	3.7
TMPC1205HP-680MG-D	68.0	±20	1V/100K	135	162	5.5	3.5
TMPC1205HP-820MG-D	82.0	±20	1V/100K	198	238	4.8	3.0

Note:

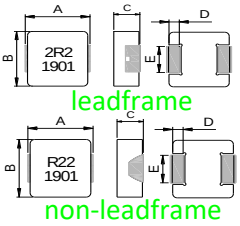
1. Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.
2. Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors

TMPC1206HP Series

(5353 inch -40~+125℃)

■ Dimensions



Dimensions	
A	13.5±0.50
B	12.5±0.30
C	5.70±0.30
D	2.30±0.30
E	4.70±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC1206HP-R22YG-D	0.22	±30	1V/100K	0.48	0.65	120.0	110.0	55.0	52.0
TMPC1206HP-R47MG-D	0.47	±20	1V/100K	0.92	1.30	64.0	58.0	38.0	35.0
TMPC1206HP-R56MG-D	0.56	±20	1V/100K	1.15	1.50	60.0	54.0	35.0	32.0
TMPC1206HP-R68MG-D	0.68	±20	1V/100K	1.33	1.70	57.0	50.0	33.0	30.0
TMPC1206HP-1R0MG-D	1.00	±20	1V/100K	1.80	2.40	53.0	47.0	29.0	27.0
TMPC1206HP-1R5MG-D	1.50	±20	1V/100K	2.70	3.20	50.0	43.0	26.0	24.0
TMPC1206HP-2R2MG-D	2.20	±20	1V/100K	4.00	4.70	43.0	39.0	21.0	19.0
TMPC1206HP-3R3MG-D	3.30	±20	1V/100K	5.80	7.10	35.0	32.0	17.0	15.0
TMPC1206HP-4R7MG-D	4.70	±20	1V/100K	9.50	11.5	30.0	26.0	16.0	13.0
TMPC1206HP-5R6MG-D	5.60	±20	1V/100K	10.8	12.6	28.0	24.0	15.5	12.0
TMPC1206HP-6R8MG-D	6.80	±20	1V/100K	12.0	13.8	25.0	21.0	15.0	11.0
TMPC1206HP-8R2MG-D	8.20	±20	1V/100K	13.6	16.0	23.0	19.0	11.0	10.0
TMPC1206HP-100MG-D	10.0	±20	1V/100K	18.0	20.7	21.0	18.0	11.0	9.00
TMPC1206HP-150MG-D	15.0	±20	1V/100K	25.0	29.0	16.0	14.0	9.00	7.00
TMPC1206HP-180MG-D	18.0	±20	1V/100K	30.0	35.0	15.0	12.0	8.50	6.50
TMPC1206HP-220MG-D	22.0	±20	1V/100K	34.0	39.5	14.0	11.0	8.00	6.00
TMPC1206HP-330MG-D	33.0	±20	1V/100K	65.0	75.0	12.0	9.00	6.00	5.00
TMPC1206HP-470MG-D	47.0	±20	1V/100K	80.0	90.0	11.0	8.00	5.50	4.50
TMPC1206HP-680MG-D	68.0	±20	1V/100K	120.0	140.0	9.00	6.00	5.00	3.50
TMPC1206HP-820MG-D	82.0	±20	1V/100K	138.0	161.0	8.50	5.50	4.50	3.00
TMPC1206HP-101MG-D	100	±20	1V/100K	180.0	200.0	8.00	5.00	4.00	2.50
TMPC1206HP-151MG-D	150	±20	1V/100K	300.0	350.0	6.00	4.00	3.00	1.80
TMPC1206HP-221MG-D	220	±20	1V/100K	480.0	550.0	4.00	3.00	2.00	1.00

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

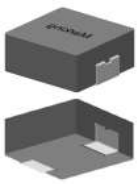
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

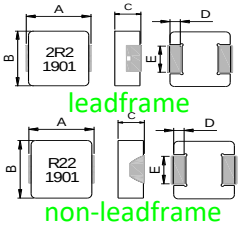
Molding Type High Current Power Inductors

TMPC1265HP Series

(5353 inch -40~+125℃)

■ Dimensions





Dimensions	
A	13.5±0.50
B	12.5±0.30
C	6.20±0.30
D	2.30±0.30
E	4.70±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I rms (A) typ.
TMPC1265HP-R15MG-D	0.15	±20	1V/100K	1.20	1.70	60.00	32.50
TMPC1265HP-R22MG-D	0.22	±20	1V/100K	1.30	1.80	50.00	27.60
TMPC1265HP-R30MG-D	0.30	±20	1V/100K	1.50	1.90	45.00	27.00
TMPC1265HP-R33MG-D	0.33	±20	1V/100K	1.50	1.90	45.00	27.00
TMPC1265HP-R36MG-D	0.36	±20	1V/100K	1.70	2.30	43.00	25.00
TMPC1265HP-R40MG-D	0.40	±20	1V/100K	1.80	2.50	41.00	24.00
TMPC1265HP-R45MG-D	0.45	±20	1V/100K	1.80	2.50	41.00	24.00
TMPC1265HP-R47MG-D	0.47	±20	1V/100K	2.10	2.80	40.00	23.00
TMPC1265HP-R50MG-D	0.50	±20	1V/100K	2.50	3.10	39.00	22.00
TMPC1265HP-R56MG-D	0.56	±20	1V/100K	3.30	3.50	39.00	21.00
TMPC1265HP-R68MG-D	0.68	±20	1V/100K	3.20	3.80	35.00	21.00
TMPC1265HP-R82MG-D	0.82	±20	1V/100K	3.50	3.90	32.00	20.00
TMPC1265HP-1R0MG-D	1.00	±20	1V/100K	3.60	4.20	32.00	19.00
TMPC1265HP-1R2MG-D	1.20	±20	1V/100K	3.71	4.10	27.50	18.00
TMPC1265HP-1R4MG-D	1.40	±20	1V/100K	4.00	4.20	26.00	17.50
TMPC1265HP-1R5MG-D	1.50	±20	1V/100K	4.70	5.00	25.50	16.50
TMPC1265HP-1R8MG-D	1.80	±20	1V/100K	4.70	5.20	25.50	16.00
TMPC1265HP-2R2MG-D	2.20	±20	1V/100K	4.80	5.50	25.00	15.50
TMPC1265HP-2R7MG-D	2.70	±20	1V/100K	5.50	6.60	24.50	14.50
TMPC1265HP-3R3MG-D	3.30	±20	1V/100K	6.70	8.00	24.00	13.00

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

TMPC1265HP Series

(5353 inch -40~+125℃)

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I rms (A) typ.
TMPC1265HP-4R7MG-D	4.70	±20	1V/100K	7.00	8.40	28.00	11.00
TMPC1265HP-5R6MG-D	5.60	±20	1V/100K	8.50	10.00	23.00	10.00
TMPC1265HP-6R8MG-D	6.80	±20	1V/100K	9.50	11.50	18.00	9.00
TMPC1265HP-7R0MG-D	7.00	±20	1V/100K	10.00	12.30	17.70	8.50
TMPC1265HP-8R2MG-D	8.20	±20	1V/100K	12.00	15.50	16.00	8.20
TMPC1265HP-100MG-D	10.0	±20	1V/100K	13.20	16.50	15.50	8.00
TMPC1265HP-120MG-D	12.0	±20	1V/100K	16.00	20.00	14.00	7.00
TMPC1265HP-130MG-D	13.0	±20	1V/100K	21.00	24.00	13.00	7.00
TMPC1265HP-150MG-D	15.0	±20	1V/100K	23.20	28.00	13.00	6.00

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

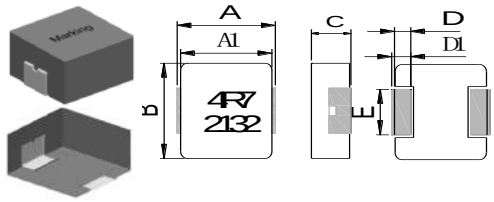
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

High Current Power Inductors Vibration Resistant

TMPV0503SP Series

(2220 inch -40~+125℃)

■ Dimensions



Dimensions	
A	5.50±0.30
A1	4.90±0.30
B	5.25±0.20
C	2.80±0.20
D	1.10±0.30
D1	1.30±0.30
E	3.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) Max.
TMPV0503SP-R68MN-D	0.68	±20	1V/100K	8.50	9.70	11.7	10.0	12.0	11.0
TMPV0503SP-1R0MN-D	1.00	±20	1V/100K	10.0	11.5	8.00	6.70	10.5	9.50
TMPV0503SP-1R5MN-D	1.50	±20	1V/100K	15.4	17.7	6.50	5.70	8.50	7.60
TMPV0503SP-2R2MN-D	2.20	±20	1V/100K	20.0	23.0	5.80	4.80	7.50	6.60
TMPV0503SP-3R3MN-D	3.30	±20	1V/100K	31.0	36.0	5.40	4.50	6.00	5.50
TMPV0503SP-4R7MN-D	4.70	±20	1V/100K	49.0	57.0	4.50	4.00	5.20	4.40
TMPV0503SP-5R6MN-D	5.60	±20	1V/100K	61.0	71.0	4.30	3.80	4.40	3.80
TMPV0503SP-6R8MN-D	6.80	±20	1V/100K	72.0	83.0	4.00	3.50	4.00	3.50
TMPV0503SP-100MN-D	10.0	±20	1V/100K	97.0	111	2.40	2.00	3.00	2.50
TMPV0503SP-150MN-D	15.0	±20	1V/100K	165	190	2.20	1.90	2.50	2.00

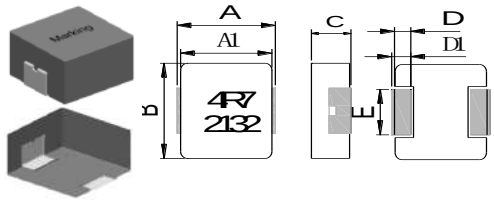
Note:

1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

TMPV0504SP Series

(2220 inch -40~+125℃)

■ Dimensions



Dimensions	
A	5.50±0.30
A1	4.90±0.30
B	5.25±0.20
C	3.80±0.20
D	1.10±0.30
D1	1.30±0.30
E	3.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPV0504SP-R47MN-D	0.47	±20	1V/100K	5.50	6.30	16.3	14.8	13.5	12.5
TMPV0504SP-R68MN-D	0.68	±20	1V/100K	7.50	8.60	15.2	13.7	12.5	11.5
TMPV0504SP-1R0MN-D	1.00	±20	1V/100K	9.80	11.3	13.0	11.5	11.5	10.5
TMPV0504SP-1R5MN-D	1.50	±20	1V/100K	14.7	16.2	12.0	10.5	9.00	8.00
TMPV0504SP-2R2MN-D	2.20	±20	1V/100K	21.8	24.0	11.0	9.50	7.80	7.00
TMPV0504SP-3R3MN-D	3.30	±20	1V/100K	30.0	34.5	9.00	8.00	6.80	6.20
TMPV0504SP-4R7MN-D	4.70	±20	1V/100K	35.6	39.2	8.10	7.20	6.10	5.70
TMPV0504SP-6R8MN-D	6.80	±20	1V/100K	50.0	57.5	6.30	5.40	5.20	4.70
TMPV0504SP-100MN-D	10.0	±20	1V/100K	82.0	92.0	5.20	4.60	4.00	3.60
TMPV0504SP-150MN-D	15.0	±20	1V/100K	100	120	3.80	3.20	3.00	2.80
TMPV0504SP-220MN-D	22.0	±20	1V/100K	170	187	3.50	3.00	2.70	2.40

Note:

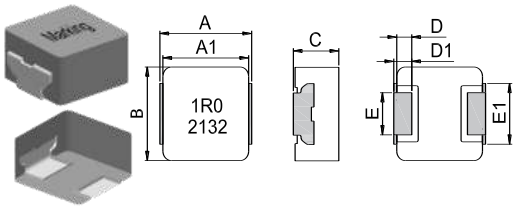
1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

High Current Power Inductors Vibration Resistant

TMPV0603S Series

(2826 inch -40~+125℃)

■ Dimensions



Dimensions	
A	7.10±0.30
A1	6.60±0.20
B	6.60±0.20
C	2.80±0.20
D	1.60±0.30
D1	1.80±0.30
E	3.00±0.20
E1	4.30±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPV0603S-R47MN-D	0.47	±20	1V/100K	3.40	3.74	19.0	17.0	19.0	17.0
TMPV0603S-1R0MN-D	1.00	±20	1V/100K	6.00	6.60	14.0	12.5	14.0	12.5
TMPV0603S-1R5MN-D	1.50	±20	1V/100K	10.6	11.7	13.0	12.0	11.5	10.0
TMPV0603S-2R2MN-D	2.20	±20	1V/100K	15.0	16.5	10.5	9.50	9.00	8.00
TMPV0603S-3R3MN-D	3.30	±20	1V/100K	22.0	24.2	9.50	8.10	7.80	6.60
TMPV0603S-4R7MN-D	4.70	±20	1V/100K	29.0	32.0	7.20	6.20	6.40	5.50
TMPV0603S-6R8MN-D	6.80	±20	1V/100K	42.0	46.2	6.10	5.50	5.20	4.50
TMPV0603S-8R2MN-D	8.20	±20	1V/100K	49.0	54.0	5.60	4.50	4.80	4.00
TMPV0603S-100MN-D	10.0	±20	1V/100K	63.0	69.3	4.70	4.00	4.20	3.70
TMPV0603S-150MN-D	15.0	±20	1V/100K	100	110	4.00	3.20	3.70	3.20
TMPV0603S-220MN-D	20.0	±20	1V/100K	150	165	3.00	2.50	2.90	2.40

Note:

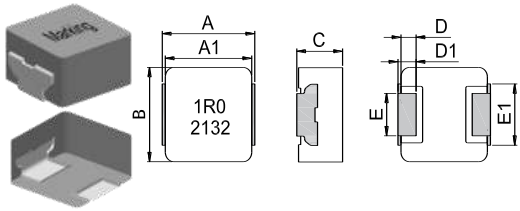
1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

High Current Power Inductors Vibration Resistant

TMPV0754S Series

(3129 inch -40~+125℃)

■ Dimensions



Dimensions	
A	7.90±0.30
A1	7.30±0.20
B	7.30±0.20
C	5.20±0.20
D	1.70±0.30
D1	2.00±0.30
E	3.00±0.20
E1	5.40±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPV0754S-1R5MN-D	1.50	±20	1V/100K	6.3	7.3	19.0	17.0	17.0	15.0
TMPV0754S-2R2MN-D	2.20	±20	1V/100K	9.7	11.2	16.5	14.5	14.5	13.0
TMPV0754S-3R3MN-D	3.30	±20	1V/100K	13.0	15.0	14.0	12.3	11.5	10.5
TMPV0754S-4R7MN-D	4.70	±20	1V/100K	17.8	20.5	13.3	11.3	10.5	9.0
TMPV0754S-5R6MN-D	5.60	±20	1V/100K	19.2	22.1	11.0	9.5	9.3	8.5
TMPV0754S-6R8MN-D	6.80	±20	1V/100K	23.0	26.5	10.2	9.0	8.7	8.0
TMPV0754S-8R2MN-D	8.20	±20	1V/100K	27.3	31.4	9.2	8.1	8.0	7.5
TMPV0754S-100MN-D	10.0	±20	1V/100K	33.0	38.0	8.0	7.0	7.2	6.7
TMPV0754S-150MN-D	15.0	±20	1V/100K	60.0	66.0	7.2	6.2	5.5	5.0
TMPV0754S-220MN-D	22.0	±20	1V/100K	85.0	93.5	6.3	5.4	5.0	4.5
TMPV0754S-330MN-D	33.0	±20	1V/100K	111.0	127.6	4.9	4.2	4.0	3.5
TMPV0754S-470MN-D	47.0	±20	1V/100K	156.0	171.6	4.1	3.5	3.2	2.7
TMPV0754S-680MN-D	68.0	±20	1V/100K	218.0	251.0	3.0	2.6	2.7	2.4
TMPV0754S-101MN-D	100.0	±20	1V/100K	310.0	357.0	2.0	1.6	2.2	2.0

Note:

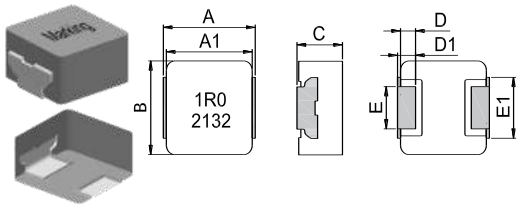
1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

High Current Power Inductors Vibration Resistant

TMPV1004S Series

(4340 inch -40~+125℃)

■ Dimensions



Dimensions	
A	11.0±0.30
A1	10.1±0.30
B	10.0±0.30
C	3.80±0.20
D	2.00±0.30
D1	2.30±0.30
E	4.50±0.30
E1	6.60±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPV1004S-R47MN-D	0.47	±20	1V/100K	1.42	1.63	31.0	28.0	34.0	29.0
TMPV1004S-R56MN-D	0.56	±20	1V/100K	1.70	2.00	29.0	27.0	32.0	27.0
TMPV1004S-R68MN-D	0.68	±20	1V/100K	2.00	2.30	28.0	26.0	31.0	26.0
TMPV1004S-R82MN-D	0.82	±20	1V/100K	2.40	2.70	26.5	24.0	27.0	23.0
TMPV1004S-R78MN-D	0.78	±20	1V/100K	2.30	2.50	27.0	25.0	30.0	25.0
TMPV1004S-1R0MN-D	1.00	±20	1V/100K	2.70	3.10	26.0	23.0	25.0	21.0
TMPV1004S-1R5MN-D	1.50	±20	1V/100K	3.90	4.50	24.0	21.0	22.0	19.0
TMPV1004S-1R8MN-D	1.80	±20	1V/100K	4.40	5.50	23.0	20.0	20.0	17.0
TMPV1004S-2R2MN-D	2.20	±20	1V/100K	5.30	6.10	19.0	17.0	18.0	16.0
TMPV1004S-3R3MN-D	3.30	±20	1V/100K	9.00	10.4	17.0	15.0	15.0	13.0
TMPV1004S-4R7MN-D	4.70	±20	1V/100K	13.4	15.0	13.5	11.5	11.0	10.0
TMPV1004S-5R6MN-D	5.60	±20	1V/100K	15.4	17.0	12.0	10.5	10.5	9.50
TMPV1004S-6R8MN-D	6.80	±20	1V/100K	17.0	19.0	11.0	10.0	10.0	9.50
TMPV1004S-8R2MN-D	8.20	±20	1V/100K	23.0	25.3	9.00	8.00	8.50	7.70
TMPV1004S-100MN-D	10.0	±20	1V/100K	27.0	30.0	8.20	7.50	8.00	7.20
TMPV1004S-120MN-D	12.0	±20	1V/100K	29.0	33.4	7.50	6.90	7.40	6.80
TMPV1004S-150MN-D	15.0	±20	1V/100K	40.0	45.0	7.00	6.30	6.40	6.00
TMPV1004S-220MN-D	22.0	±20	1V/100K	59.0	68.0	6.00	5.50	5.50	5.00
TMPV1004S-330MN-D	33.0	±20	1V/100K	89.0	102	4.80	4.10	4.70	3.70
TMPV1004S-470MN-D	47.0	±20	1V/100K	143	165	4.00	3.60	3.60	3.20

Note:

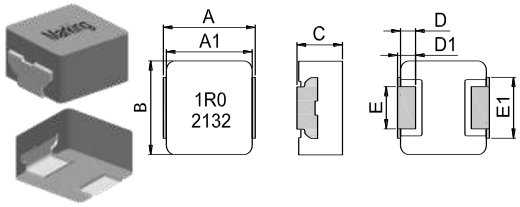
1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

High Current Power Inductors Vibration Resistant

TMPV1054S Series

(4340 inch -40~+125℃)

■ Dimensions



Dimensions	
A	11.0±0.30
A1	10.1±0.30
B	10.0±0.30
C	5.10±0.30
D	2.00±0.30
D1	2.30±0.30
E	4.50±0.30
E1	6.60±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPV1054S-R68MN-D	0.68	±20	1V/100K	1.85	2.22	46.0	40.0	32.0	28.8
TMPV1054S-1R0MN-D	1.00	±20	1V/100K	2.30	2.76	37.0	31.7	30.0	27.0
TMPV1054S-1R2MN-D	1.20	±20	1V/100K	3.00	3.60	29.0	26.0	27.0	24.0
TMPV1054S-1R5MN-D	1.50	±20	1V/100K	3.60	4.30	28.0	25.0	25.0	23.0
TMPV1054S-1R8MN-D	1.80	±20	1V/100K	3.90	4.60	26.0	22.5	24.0	22.0
TMPV1054S-2R2MN-D	2.20	±20	1V/100K	4.10	4.90	25.0	21.4	23.0	20.7
TMPV1054S-3R3MN-D	3.30	±20	1V/100K	6.20	7.20	20.0	17.5	18.7	16.8
TMPV1054S-4R7MN-D	4.70	±20	1V/100K	9.00	10.0	17.0	14.5	14.5	13.0
TMPV1054S-5R6MN-D	5.60	±20	1V/100K	10.2	11.7	16.2	14.0	13.2	12.0
TMPV1054S-6R8MN-D	6.80	±20	1V/100K	12.4	14.0	15.3	13.5	12.3	11.0
TMPV1054S-8R2MN-D	8.20	±20	1V/100K	17.8	20.5	14.0	12.0	10.3	9.20
TMPV1054S-100MN-D	10.0	±20	1V/100K	20.0	23.0	13.0	11.0	9.00	7.80
TMPV1054S-120MN-D	12.0	±20	1V/100K	23.0	26.4	9.80	8.50	8.30	7.30
TMPV1054S-150MN-D	15.0	±20	1V/100K	26.3	30.3	9.20	7.90	7.60	6.80
TMPV1054S-180MN-D	18.0	±20	1V/100K	33.0	38.0	9.00	7.70	7.00	6.10
TMPV1054S-220MN-D	22.0	±20	1V/100K	43.0	49.5	8.40	7.00	6.00	5.40
TMPV1054S-330MN-D	33.0	±20	1V/100K	66.0	75.3	7.60	6.50	5.00	4.30
TMPV1054S-470MN-D	47.0	±20	1V/100K	89.0	103	5.50	4.80	4.20	3.70
TMPV1054S-680MN-D	68.0	±20	1V/100K	130	150	4.80	3.80	3.50	3.10

Note:

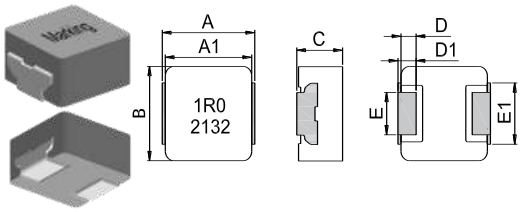
1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

High Current Power Inductors Vibration Resistant

TMPV1265SP Series

(5450 inch -40~+125℃)

■ Dimensions



Dimensions	
A	13.6±0.40
A1	12.6±0.30
B	12.6±0.20
C	6.20±0.30
D	2.00±0.30
D1	2.50±0.30
E	5.00±0.30
E1	9.20±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPV1265SP-R68MN-D	0.68	±20	1V/100K	1.35	1.62	36.5	31.0	36.5	30.0
TMPV1265SP-1R0MN-D	1.00	±20	1V/100K	1.75	2.10	32.0	28.0	32.0	27.0
TMPV1265SP-1R5MN-D	1.50	±20	1V/100K	2.30	2.76	29.0	26.0	27.0	24.0
TMPV1265SP-2R2MN-D	2.20	±20	1V/100K	3.60	4.20	26.0	23.0	23.0	20.0
TMPV1265SP-3R3MN-D	3.30	±20	1V/100K	5.90	6.80	24.0	21.0	19.0	16.0
TMPV1265SP-4R7MN-D	4.70	±20	1V/100K	7.30	8.40	20.0	18.0	17.0	14.0
TMPV1265SP-5R6MN-D	5.60	±20	1V/100K	9.10	10.0	18.0	16.0	15.0	13.0
TMPV1265SP-6R8MN-D	6.80	±20	1V/100K	9.70	11.2	17.0	15.0	14.0	12.0
TMPV1265SP-8R2MN-D	8.20	±20	1V/100K	11.8	13.6	16.0	14.0	13.0	11.0
TMPV1265SP-100MN-D	10.0	±20	1V/100K	14.3	16.5	13.5	12.0	12.0	10.0
TMPV1265SP-150MN-D	15.0	±20	1V/100K	23.6	27.2	10.0	9.00	9.00	8.00
TMPV1265SP-220MN-D	22.0	±20	1V/100K	34.1	39.2	8.00	7.00	7.50	6.50
TMPV1265SP-330MN-D	33.0	±20	1V/100K	53.0	61.0	7.20	6.30	6.30	5.50
TMPV1265SP-470MN-D	47.0	±20	1V/100K	74.1	89.0	6.00	5.10	5.20	4.30

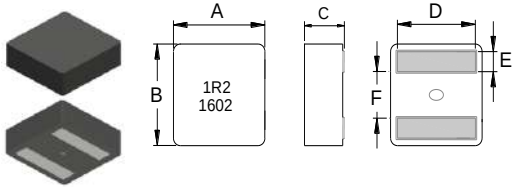
Note:

1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors Low Rdc

TMPF0402LR Series (1717 inch -40~+125℃)

■ Dimensions



Dimensions	
A	4.40±0.20
B	4.40±0.20
C	1.90±0.20
D	3.40±0.30
E	0.88±0.20
F	1.60±0.25

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A)20℃ rise	I rms (A) 40℃ rise
TMPF0402LR-R47MN-ABD	0.47	±20	0.1V/100K	6.00	6.80	14.00	12.50	9.80	13.20
TMPF0402LR-R56MN-ABD	0.56	±20	0.1V/100K	6.90	7.80	13.00	11.30	9.50	12.60
TMPF0402LR-R60MN-ABD	0.60	±20	0.1V/100K	6.90	7.80	12.80	11.10	9.40	12.40
TMPF0402LR-R68MN-ABD	0.68	±20	0.1V/100K	7.30	8.20	11.60	10.00	9.20	12.00
TMPF0402LR-R82MN-ABD	0.82	±20	0.1V/100K	8.60	9.50	10.20	9.00	8.50	11.50
TMPF0402LR-1R0MN-ABD	1.00	±20	0.1V/100K	10.60	11.70	9.20	8.00	8.00	11.00
TMPF0402LR-1R2MN-ABD	1.20	±20	0.1V/100K	12.20	13.40	8.60	7.50	7.20	9.50
TMPF0402LR-1R5MN-ABD	1.50	±20	0.1V/100K	14.40	15.80	7.50	6.70	6.70	9.10
TMPF0402LR-2R0MN-ABD	2.00	±20	0.1V/100K	21.15	23.30	6.20	5.00	6.20	8.20
TMPF0402LR-2R2MN-ABD	2.20	±20	0.1V/100K	21.35	23.50	6.00	4.80	6.00	8.00

Note:

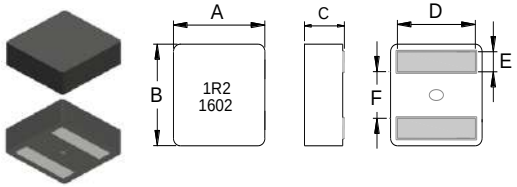
1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors Low Rdc

TMPF0402A Series

(1717 inch -40~+125℃)

■ Dimensions



Dimensions	
A	4.40±0.20
B	4.40±0.20
C	1.90±0.20
D	3.40±0.30
E	0.88±0.20
F	1.60±0.25

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A)20℃ rise	I rms (A) 40℃ rise
TMPF0402A-R10MN-ABD	0.10	±20	0.1V/100K	2.20	2.42	38.00	33.00	13.50	18.00
TMPF0402A-R22MN-ABD	0.22	±20	0.1V/100K	4.10	4.60	19.50	18.80	13.00	16.80
TMPF0402A-R33MN-ABD	0.33	±20	0.1V/100K	5.00	5.50	18.00	16.50	12.00	15.50
TMPF0402A-R36MN-ABD	0.36	±20	0.1V/100K	5.60	6.30	17.00	15.00	11.00	14.50
TMPF0402A-R40MN-ABD	0.40	±20	0.1V/100K	6.90	7.73	15.50	13.50	10.00	14.00
TMPF0402A-R47MN-ABD	0.47	±20	0.1V/100K	7.80	8.58	14.50	13.00	9.00	12.50
TMPF0402A-R56MN-ABD	0.56	±20	0.1V/100K	8.40	9.30	14.00	12.60	8.50	12.00
TMPF0402A-R60MN-ABD	0.60	±20	0.1V/100K	8.60	9.52	13.70	12.30	8.00	11.70
TMPF0402A-R72MN-ABD	0.72	±20	0.1V/100K	10.40	11.60	12.00	10.60	7.60	10.50
TMPF0402A-1R0MN-ABD	1.00	±20	0.1V/100K	13.30	14.60	9.60	8.80	6.80	9.60
TMPF0402A-1R2MN-ABD	1.20	±20	0.1V/100K	16.20	17.90	9.00	7.80	6.60	9.00
TMPF0402A-1R5MN-ABD	1.50	±20	0.1V/100K	21.00	23.50	8.00	7.40	5.80	7.60
TMPF0402A-1R8MN-ABD	1.80	±20	0.1V/100K	25.00	28.00	7.50	7.00	5.20	7.00

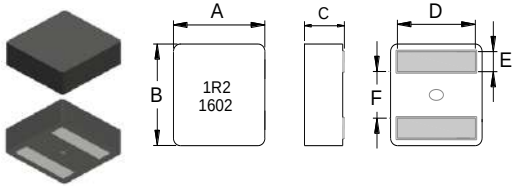
Note:

1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors Low Rdc

TMPF0403LR Series (1717 inch -40~+125℃)

■ Dimensions



Dimensions	
A	4.40±0.20
B	4.40±0.20
C	2.80±0.20
D	3.40±0.30
E	0.88±0.20
F	1.60±0.25

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A)20℃ rise	I rms (A) 40℃ rise
TMPF0403LR-R90MN-ABD	0.90	±20	0.1V/100K	9.10	10.1	10.0	9.00	8.20	11.2
TMPF0403LR-1R0MN-ABD	1.00	±20	0.1V/100K	9.10	10.1	9.80	9.20	8.00	11.0
TMPF0403LR-1R2MN-ABD	1.20	±20	0.1V/100K	10.4	11.5	9.20	8.70	7.80	9.80
TMPF0403LR-1R5MN-ABD	1.50	±20	0.1V/100K	12.0	13.2	8.00	7.00	7.00	9.00
TMPF0403LR-1R8MN-ABD	1.80	±20	0.1V/100K	17.4	19.2	7.50	6.60	6.50	8.20
TMPF0403LR-2R2MN-ABD	2.20	±20	0.1V/100K	20.5	22.6	7.00	6.10	6.00	7.80
TMPF0403LR-3R3MN-ABD	3.30	±20	0.1V/100K	26.0	28.6	6.20	5.30	5.00	6.60

Note:

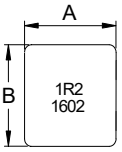
1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

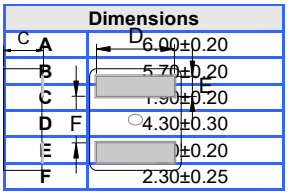
Molding Type High Current Power Inductors Low Rdc

TMPF0502A Series

(2424 inch -40~+125℃)

■ Dimensions





Dimensions	
A	6.00±0.20
B	5.70±0.20
C	1.90±0.20
D	4.30±0.30
E	±0.20
F	2.30±0.25

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A)20℃ rise	I rms (A) 40℃ rise
TMPF0502A-R15MN-ABD	0.15	±20	0.1V/100K	4.00	4.60	30.0	27.0	13.9	18.8
TMPF0502A-R16MN-ABD	0.16	±20	0.1V/100K	4.00	4.60	30.0	27.0	13.9	18.8
TMPF0502A-R33MN-ABD	0.33	±20	0.1V/100K	6.10	7.00	26.0	24.0	10.5	14.4
TMPF0502A-R47MN-ABD	0.47	±20	0.1V/100K	7.00	8.05	22.0	20.0	10.1	14.1
TMPF0502A-R56MN-ABD	0.56	±20	0.1V/100K	8.70	9.54	19.0	16.0	9.90	13.9
TMPF0502A-R68MN-ABD	0.68	±20	0.1V/100K	8.90	10.2	16.0	14.0	9.60	13.4
TMPF0502A-R80MN-ABD	0.80	±20	0.1V/100K	10.3	11.8	15.5	13.5	9.40	13.0
TMPF0502A-R82MN-ABD	0.82	±20	0.1V/100K	11.0	12.7	15.0	13.0	8.50	12.0
TMPF0502A-1R0MN-ABD	1.00	±20	0.1V/100K	12.0	13.8	14.5	12.8	7.50	10.5
TMPF0502A-1R2MN-ABD	1.20	±20	0.1V/100K	14.2	16.0	14.0	12.2	6.80	9.40
TMPF0502A-1R5MN-ABD	1.50	±20	0.1V/100K	16.2	18.7	13.3	11.7	6.40	8.80

Note:

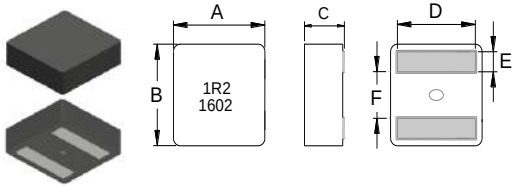
1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors Low Rdc

TMPF0503A Series

(2424 inch -40~+125℃)

■ Dimensions



Dimensions	
A	6.00±0.20
B	5.70±0.20
C	1.90±0.20
D	4.30±0.30
E	1.10±0.20
F	2.30±0.25

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A)20℃ rise	I rms (A) 40℃ rise
TMPF0503A-R15MN-ABD	0.15	±20	0.1V/100K	2.10	2.31	36.0	32.5	14.3	22.2
TMPF0503A-R16MN-ABD	0.16	±20	0.1V/100K	2.12	2.33	35.0	32.0	14.2	22.2
TMPF0503A-R28MN-ABD	0.28	±20	0.1V/100K	3.00	3.30	32.0	28.0	14.0	19.0
TMPF0503A-R33MN-ABD	0.33	±20	0.1V/100K	3.20	3.52	28.0	26.0	13.8	19.2
TMPF0503A-R47MN-ABD	0.47	±20	0.1V/100K	3.75	4.13	26.0	24.0	13.7	18.4
TMPF0503A-R56MN-ABD	0.56	±20	0.1V/100K	4.05	4.52	22.2	20.2	13.6	17.7
TMPF0503A-R60MN-ABD	0.60	±20	0.1V/100K	4.11	4.52	22.0	20.0	13.6	17.7
TMPF0503A-R80MN-ABD	0.80	±20	0.1V/100K	5.14	5.65	20.0	18.0	10.1	13.1
TMPF0503A-R82MN-ABD	0.82	±20	0.1V/100K	5.25	5.78	19.7	17.6	9.90	12.9
TMPF0503A-1R0MN-ABD	1.00	±20	0.1V/100K	6.90	7.60	16.5	14.3	9.00	12.2
TMPF0503A-1R2MN-ABD	1.20	±20	0.1V/100K	8.80	9.70	15.0	13.5	8.50	11.0
TMPF0503A-1R5MN-ABD	1.50	±20	0.1V/100K	10.1	11.2	14.0	12.5	8.00	10.5
TMPF0503A-1R8MN-ABD	1.80	±20	0.1V/100K	11.5	12.7	12.3	11.3	7.60	10.1
TMPF0503A-2R2MN-ABD	2.20	±20	0.1V/100K	13.2	14.5	10.0	9.00	7.20	9.70
TMPF0503A-3R3MN-ABD	3.30	±20	0.1V/100K	21.0	23.1	9.50	8.70	5.90	8.10
TMPF0503A-3R6MN-ABD	3.60	±20	0.1V/100K	25.0	27.5	9.00	7.90	4.60	6.50
TMPF0503A-4R7MN-ABD	4.70	±20	0.1V/100K	33.0	36.3	8.20	7.00	4.30	5.90

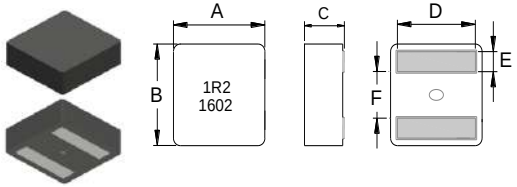
Note:

1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors Low Rdc

TMPF0505LR Series (2424 inch -40~+125℃)

■ Dimensions



Dimensions	
A	6.00±0.20
B	5.70±0.20
C	4.80±0.20
D	4.30±0.30
E	1.10±0.20
F	2.30±0.25

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A)20℃ rise	I rms (A) 40℃ rise
TMPF0505LR-2R2MN-ABD	2.20	±20	0.1V/100K	8.5	9.4	11.0	10.0	9.8	13.8
TMPF0505LR-3R3MN-ABD	3.30	±20	0.1V/100K	11.2	12.3	10.0	9.0	7.5	10.0
TMPF0505LR-4R7MN-ABD	4.70	±20	0.1V/100K	19.0	21.0	8.80	7.40	5.90	8.10
TMPF0505LR-5R6MN-ABD	5.60	±20	0.1V/100K	22.0	24.2	8.60	7.20	5.30	7.20
TMPF0505LR-6R8MN-ABD	6.80	±20	0.1V/100K	26.0	28.6	7.80	6.60	4.80	6.40
TMPF0505LR-8R2MN-ABD	8.20	±20	0.1V/100K	29.5	32.5	7.20	6.10	4.60	6.10

Note:

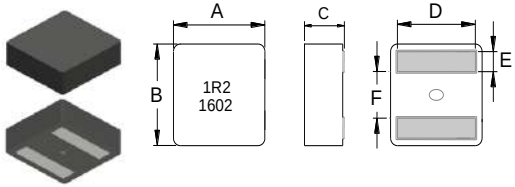
1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors Low Rdc

TMPF0603A Series

(2828 inch -40~+125℃)

■ Dimensions



Dimensions	
A	7.20±0.20
B	6.90±0.20
C	(2.80~2.90)±0.20
D	(5.00~5.55)±0.30
E	1.40±0.20
F	2.60±0.25

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A)20℃ rise	I rms (A) 40℃ rise
TMPF0603A-R18MN-ABD	0.18	±20	0.1V/100K	1.60	1.75	40.0	36.0	24.0	32.0
TMPF0603A-R33MN-ABD	0.33	±20	0.1V/100K	2.25	2.50	32.0	28.0	20.0	25.0
TMPF0603A-R56MN-ABD	0.56	±20	0.1V/100K	3.00	3.31	29.0	25.0	17.0	22.0
TMPF0603A-R68MN-ABD	0.68	±20	0.1V/100K	4.70	5.17	25.0	21.0	15.0	20.0
TMPF0603A-1R0MN-ABD	1.00	±20	0.1V/100K	5.50	6.05	23.0	18.0	13.0	18.0
TMPF0603A-1R2MN-ABD	1.20	±20	0.1V/100K	6.70	7.40	22.0	16.0	12.0	16.0
TMPF0603A-1R5MN-ABD	1.50	±20	0.1V/100K	8.30	9.13	20.0	15.5	11.0	15.0
TMPF0603A-1R8MN-ABD	1.80	±20	0.1V/100K	9.20	10.2	18.2	13.0	10.0	14.0
TMPF0603A-2R2MN-ABD	2.20	±20	0.1V/100K	11.0	12.2	15.9	11.0	7.00	10.0
TMPF0603A-3R3MN-ABD	3.30	±20	0.1V/100K	18.8	20.8	12.2	9.00	6.00	8.00
TMPF0603A-4R5MN-ABD	4.50	±20	0.1V/100K	23.0	25.3	10.0	8.00	5.00	7.00
TMPF0603A-4R7MN-ABD	4.70	±20	0.1V/100K	26.5	29.2	9.00	7.00	4.00	6.00

Note:

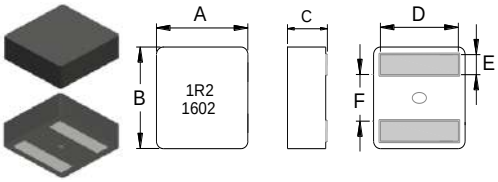
1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors Low Rdc

TMPF0604A Series

(2828 inch -40~+125℃)

■ Dimensions



Dimensions	
A	7.20±0.20
B	6.90±0.20
C	3.80±0.20
D	(5.00-5.50)±0.30
E	1.40±0.20
F	2.60±0.25

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A)20℃ rise	I rms (A) 40℃ rise
TMPF0604A-R47MN-ABD	0.47	±20	0.1V/100K	2.60	2.86	31.0	27.0	19.0	24.0
TMPF0604A-R68MN-ABD	0.68	±20	0.1V/100K	3.60	3.96	26.0	22.0	16.0	20.5
TMPF0604A-1R0MN-ABD	1.00	±20	0.1V/100K	4.90	5.39	23.0	18.0	14.0	19.0
TMPF0604A-1R5MN-ABD	1.50	±20	0.1V/100K	6.40	7.04	17.0	13.0	12.0	16.0
TMPF0604A-2R2MN-ABD	2.20	±20	0.1V/100K	10.6	11.7	15.9	11.5	8.00	11.0
TMPF0604A-3R3MN-ABD	3.30	±20	0.1V/100K	14.1	15.5	12.3	9.60	7.00	9.20
TMPF0604A-4R7MN-ABD	4.70	±20	0.1V/100K	21.0	23.1	10.2	8.00	6.00	7.80
TMPF0604A-5R6MN-ABD	5.60	±20	0.1V/100K	25.5	28.1	9.80	7.80	5.00	6.70

Note:

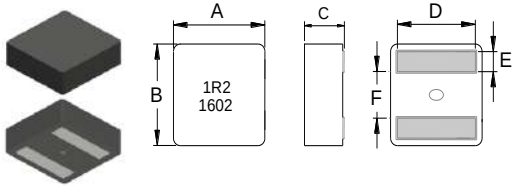
1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors Low Rdc

TMPF0605A Series

(2828 inch -40~+125℃)

■ Dimensions



Dimensions	
A	7.20±0.20
B	6.90±0.20
C	4.80±0.20
D	(5.20~5.30)±0.3
E	1.40±0.20
F	2.60±0.25

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A)20℃ rise	I rms (A) 40℃ rise
TMPF0605A-R82MN-ABD	0.82	±20	0.1V/100K	3.80	4.18	24.0	20.0	16.0	21.0
TMPF0605A-1R0MN-ABD	1.00	±20	0.1V/100K	4.10	4.52	23.0	18.0	15.0	20.0
TMPF0605A-1R2MN-ABD	1.20	±20	0.1V/100K	5.30	5.83	22.0	16.0	14.0	18.0
TMPF0605A-1R5MN-ABD	1.50	±20	0.1V/100K	5.70	6.30	19.5	14.5	13.0	17.0
TMPF0605A-1R8MN-ABD	1.80	±20	0.1V/100K	6.40	7.10	18.5	13.5	12.0	16.0
TMPF0605A-2R2MN-ABD	2.20	±20	0.1V/100K	7.70	8.50	16.0	12.0	10.0	13.0
TMPF0605A-3R3MN-ABD	3.30	±20	0.1V/100K	11.2	12.5	12.5	10.0	8.50	11.0
TMPF0605A-4R3MN-ABD	4.30	±20	0.1V/100K	15.1	16.2	11.0	8.50	7.00	9.00
TMPF0605A-4R7MN-ABD	4.70	±20	0.1V/100K	16.7	18.4	10.5	8.40	6.50	8.50
TMPF0605A-5R6MN-ABD	5.60	±20	0.1V/100K	20.0	22.0	10.0	8.3	5.7	7.0
TMPF0605A-6R8MN-ABD	6.80	±20	0.1V/100K	23.1	25.4	9.0	7.0	5.2	6.6
TMPF0605A-8R2MN-ABD	8.20	±20	0.1V/100K	28.6	31.5	8.0	6.8	4.5	6.2

Note:

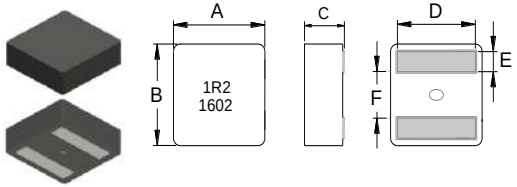
1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors Low Rdc

TMPF0606LR Series

(2828 inch -40~+125℃)

■ Dimensions



Dimensions	
A	7.20±0.20
B	6.90±0.20
C	5.80±0.20
D	5.30±0.30
E	1.40±0.20
F	2.60±0.25

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A)20℃ rise	I rms (A) 40℃ rise
TMPF0606LR-R22MN-ABD	0.22	±20	0.1V/100K	1.5	1.65	36.0	32.0	18.0	25.0
TMPF0606LR-1R0MN-ABD	1.00	±20	0.1V/100K	3.9	4.29	18.0	16.0	15.0	19.0
TMPF0606LR-1R2MN-ABD	1.20	±20	0.1V/100K	4.6	5.06	17.0	15.0	14.0	17.0
TMPF0606LR-1R5MN-ABD	1.50	±20	0.1V/100K	5.1	5.61	16.0	14.0	13.0	16.0
TMPF0606LR-2R2MN-ABD	2.20	±20	0.1V/100K	7.0	7.80	14.0	12.0	11.0	14.0
TMPF0606LR-3R3MN-ABD	3.30	±20	0.1V/100K	11.0	12.1	11.5	10.5	9.0	12.0
TMPF0606LR-4R7MN-ABD	4.70	±20	0.1V/100K	13.1	14.4	10.5	9.50	8.00	11.0
TMPF0606LR-5R6MN-ABD	5.60	±20	0.1V/100K	14.3	15.8	10.0	9.00	7.50	10.0
TMPF0606LR-6R8MN-ABD	6.80	±20	0.1V/100K	18.9	20.8	9.20	8.70	7.00	9.00
TMPF0606LR-8R2MN-ABD	8.20	±20	0.1V/100K	22.5	24.8	8.50	8.00	6.00	8.00

Note:

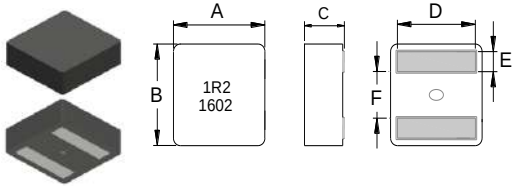
1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors Low Rdc

TMPF0702A Series

(3333 inch -40~+125℃)

■ Dimensions



Dimensions	
A	8.40±0.30
B	8.00±0.30
C	1.85±0.20
D	6.20±0.30
E	1.75±0.20
F	3.15±0.25

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A)20℃ rise	I rms (A) 40℃ rise
TMPF0702A-R15MN-ABD	0.15	±20	0.1V/100K	1.9	2.5	51.0	46.0	18.0	24.0
TMPF0702A-R27MN-ABD	0.27	±20	0.1V/100K	2.9	3.5	35.0	32.0	16.0	21.0
TMPF0702A-R31MN-ABD	0.31	±20	0.1V/100K	4.0	4.8	34.0	31.0	14.0	20.0
TMPF0702A-R33MN-ABD	0.33	±20	0.1V/100K	4.00	4.8	34.0	31.0	13.0	19.0
TMPF0702A-R47MN-ABD	0.47	±20	0.1V/100K	5.10	6.2	28.0	25.0	12.0	17.0
TMPF0702A-R68MN-ABD	0.68	±20	0.1V/100K	7.90	9.2	25.0	23.0	10.0	13.0
TMPF0702A-1R0MN-ABD	1.00	±20	0.1V/100K	9.80	10.8	23.0	20.0	8.0	11.0
TMPF0702A-1R2MN-ABD	1.20	±20	0.1V/100K	11.5	12.8	21.0	18.0	7.0	10.0
TMPF0702A-1R5MN-ABD	1.50	±20	0.1V/100K	16.0	17.6	17.0	15.0	6.0	9.0
TMPF0702A-1R8MN-ABD	1.80	±20	0.1V/100K	18.0	19.8	15.0	13.0	5.5	8.0

Note:

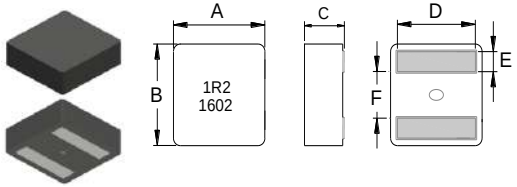
1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors Low Rdc

TMPF0703A Series

(3333 inch -40~+125℃)

■ Dimensions



Dimensions	
A	8.40±0.30
B	8.00±0.30
C	2.90±0.20
D	(6.20~6.60)±0.30
E	1.75±0.20
F	3.15±0.25

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A)20℃ rise	I rms (A) 40℃ rise
TMPF0703A-1R0MN-ABD	1.00	±20	0.1V/100K	4.55	5.00	30.00	28.00	16.10	21.80
TMPF0703A-1R5MN-ABD	1.50	±20	0.1V/100K	7.50	8.25	25.00	23.50	12.00	15.30
TMPF0703A-2R2MN-ABD	2.20	±20	0.1V/100K	12.40	13.70	19.00	17.00	10.00	13.00
TMPF0703A-2R7MN-ABD	2.70	±20	0.1V/100K	14.00	15.40	16.00	13.50	9.20	11.40
TMPF0703A-3R3MN-ABD	3.30	±20	0.1V/100K	16.30	18.00	15.00	13.00	8.00	10.00
TMPF0703A-4R7MN-ABD	4.70	±20	0.1V/100K	24.20	26.70	13.50	12.20	6.90	9.00
TMPF0703A-5R6MN-ABD	5.60	±20	0.1V/100K	30.10	33.20	12.50	11.50	5.30	7.30

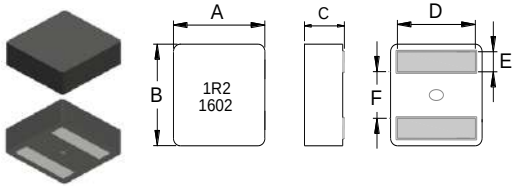
Note:

1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

TMPF0705A Series

(3333 inch -40~+125℃)

■ Dimensions



Dimensions	
A	8.40±0.30
B	8.00±0.30
C	4.80±0.20
D	6.20±0.30
E	1.75±0.20
F	3.15±0.25

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A)20℃ rise	I rms (A) 40℃ rise
TMPF0705A-1R8MN-ABD	1.80	±20	0.1V/100K	4.2	4.62	25.0	21.0	13.0	16.0
TMPF0705A-2R2MN-ABD	2.20	±20	0.1V/100K	5.8	6.40	21.0	17.0	11.0	14.0
TMPF0705A-3R3MN-ABD	3.30	±20	0.1V/100K	10.4	11.44	17.0	14.0	10.0	13.0
TMPF0705A-4R7MN-ABD	4.70	±20	0.1V/100K	14.0	15.40	15.0	13.0	8.5	11.0
TMPF0705A-5R6MN-ABD	5.60	±20	0.1V/100K	15.6	17.20	13.0	11.0	7.0	10.0

Note:

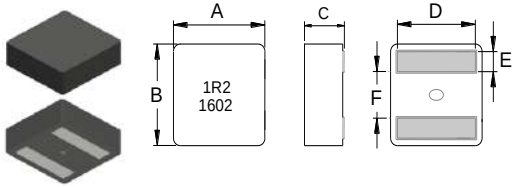
1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors Low Rdc

TMPF0707A Series

(3333 inch -40~+125℃)

■ Dimensions



Dimensions	
A	8.40±0.30
B	8.00±0.30
C	6.70±0.30
D	(6.50~6.70)±0.3
E	1.75±0.20
F	3.15±0.25

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A)20℃ rise	I rms (A) 40℃ rise
TMPF0707A-2R2MN-ABD	2.20	±20	0.1V/100K	5.73	6.33	19.6	17.6	13.2	17.8
TMPF0707A-3R3MN-ABD	3.30	±20	0.1V/100K	8.56	9.42	19.4	15.1	11.5	15.1
TMPF0707A-4R7MN-ABD	4.70	±20	0.1V/100K	12.20	13.50	15.5	14.0	10.5	13.6
TMPF0707A-5R6MN-ABD	5.60	±20	0.1V/100K	13.67	15.03	14.1	12.0	8.5	11.4
TMPF0707A-6R8MN-ABD	6.80	±20	0.1V/100K	17.80	19.60	12.8	11.0	7.0	9.5
TMPF0707A-100MN-ABD	10.0	±20	0.1V/100K	24.00	26.40	10.0	9.0	5.0	7.0

Note:

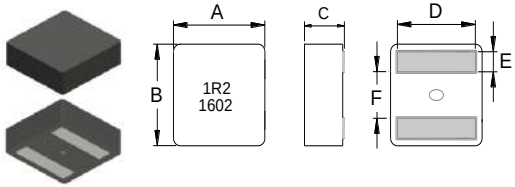
1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors Low Rdc

TMPF0808A Series

(3533 inch -40~+125℃)

■ Dimensions



Dimensions	
A	8.90±0.30
B	8.50±0.30
C	7.70±0.20
D	(6.90~7.20)±0.40
E	1.80±0.20
F	3.50±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A)20℃ rise.	I rms (A)40℃ rise.
TMPF0808A-3R3MN-ABD	3.30	±20	0.1V/100K	6.6	7.3	23.0	20.0	13.5	18.0
TMPF0808A-4R7MN-ABD	4.70	±20	0.1V/100K	8.9	9.8	19.0	17.0	10.5	14.6
TMPF0808A-6R8MN-ABD	6.80	±20	0.1V/100K	13.0	14.3	14.5	12.5	8.0	11.3
TMPF0808A-100MN-ABD	10.0	±20	0.1V/100K	20.8	22.9	11.0	10.0	6.6	8.7

Note:

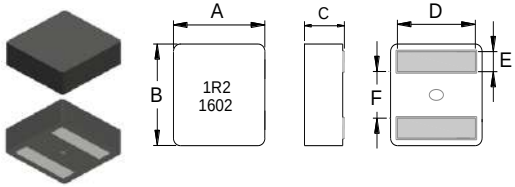
1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors Low Rdc

TMPF1006A Series

(4743 inch -40~+125℃)

■ Dimensions



Dimensions	
A	11.90±0.30
B	11.00±0.30
C	5.70±0.20
D	(8.80~9.50)±0.50
E	2.40±0.20
F	4.50±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A)20℃ rise.	I rms (A)40℃ rise.
TMPF1006A-2R2MN-ABD	2.20	±20	0.1V/100K	4.4	4.84	35.0	30.0	14.0	20.0
TMPF1006A-3R3MN-ABD	3.30	±20	0.1V/100K	7.0	7.70	28.0	25.0	11.4	16.8
TMPF1006A-4R7MN-ABD	4.70	±20	0.1V/100K	9.7	10.72	25.0	22.0	8.7	14.0
TMPF1006A-5R6MN-ABD	5.60	±20	0.1V/100K	10.8	11.90	20.0	17.0	7.0	12.0
TMPF1006A-6R8MN-ABD	6.80	±20	0.1V/100K	11.8	13.00	18.0	15.5	6.0	10.5
TMPF1006A-8R2MN-ABD	8.20	±20	0.1V/100K	15.0	16.50	16.5	14.0	5.0	9.5
TMPF1006A-100MN-ABD	10.0	±20	0.1V/100K	16.5	18.20	15.0	13.0	4.5	9.0

Note:

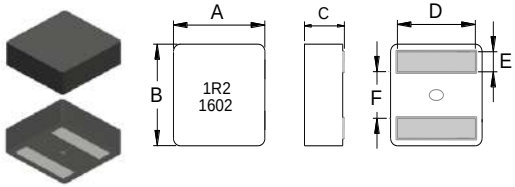
1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors Low Rdc

TMPF1010A Series

(4743 inch -40~+125℃)

■ Dimensions



Dimensions	
A	11.90±0.30
B	11.00±0.30
C	9.70±0.20
D	(9.00~9.30)±0.50
E	2.40±0.20
F	4.40±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A)20℃ rise.	I rms (A)40℃ rise.
TMPF1010A-3R3MN-ABD	3.30	±20	0.1V/100K	3.70	4.10	27.40	23.40	18.20	25.00
TMPF1010A-4R7MN-ABD	4.70	±20	0.1V/100K	5.20	5.70	25.40	21.40	17.50	24.00
TMPF1010A-5R6MN-ABD	5.60	±20	0.1V/100K	6.50	7.20	23.60	19.60	15.70	21.20
TMPF1010A-6R8MN-ABD	6.80	±20	0.1V/100K	8.100	8.90	21.80	18.50	14.00	18.50
TMPF1010A-8R2MN-ABD	8.20	±20	0.1V/100K	10.80	12.40	18.30	16.30	12.90	17.10
TMPF1010A-100MN-ABD	10.00	±20	0.1V/100K	12.50	13.75	17.50	14.60	11.50	15.50
TMPF1010A-150MN-ABD	15.00	±20	0.1V/100K	17.50	19.30	15.50	12.50	9.90	13.80

Note:

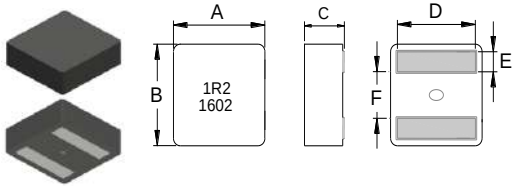
1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors Low Rdc

TMPF1508A Series

(6965 inch -40~+125℃)

■ Dimensions



Dimensions	
A	17.5±0.30
B	16.5±0.30
C	7.70±0.20
D	13.2±0.50
E	3.20±0.20
F	7.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A)20℃ rise.	I rms (A)40℃ rise.
TMPF1508A-2R0MN-ABD	2.00	±20	0.1V/100K	1.92	2.21	57.0	52.0	29.5	40.0
TMPF1508A-2R2MN-ABD	2.20	±20	0.1V/100K	2.15	2.48	55.0	49.0	28.0	37.0
TMPF1508A-3R0MN-ABD	3.00	±20	0.1V/100K	2.50	3.00	46.0	41.0	26.0	34.5
TMPF1508A-4R2MN-ABD	4.20	±20	0.1V/100K	3.90	4.68	38.0	33.0	20.5	27.0
TMPF1508A-4R7MN-ABD	4.70	±20	0.1V/100K	4.30	5.16	37.0	32.0	20.0	26.5
TMPF1508A-5R3MN-ABD	5.30	±20	0.1V/100K	4.45	5.34	35.0	31.0	19.5	26.0
TMPF1508A-6R2MN-ABD	6.20	±20	0.1V/100K	5.40	6.50	34.0	31.0	17.0	23.0
TMPF1508A-7R2MN-ABD	7.20	±20	0.1V/100K	6.00	7.20	32.0	29.0	15.0	21.0
TMPF1508A-8R2MN-ABD	8.20	±20	0.1V/100K	6.60	7.92	28.0	25.0	13.0	19.0
TMPF1508A-100MN-ABD	10.0	±20	0.1V/100K	8.00	9.60	24.0	21.0	11.0	16.0
TMPF1508A-150MN-ABD	15.0	±20	0.1V/100K	12.5	15.0	21.0	18.0	10.0	13.0
TMPF1508A-220MN-ABD	22.0	±20	0.1V/100K	19.3	23.2	19.0	16.0	9.00	12.0

Note:

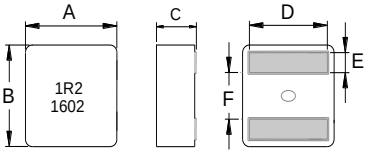
1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors Low Rdc

TMPF1510A Series

(6965 inch -40~+125℃)

■ Dimensions



Dimensions	
A	17.50±0.30
B	16.50±0.30
C	9.70±0.20
D	13.20±0.50
E	3.20±0.20
F	7.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A)20℃ rise.	I rms (A)40℃ rise.
TMPF1510A-4R7MN-ABD	4.70	±20	0.1V/100K	3.40	3.80	43.0	39.0	22.0	30.0
TMPF1510A-5R6MN-ABD	5.60	±20	0.1V/100K	3.82	4.20	38.0	34.0	21.0	28.0
TMPF1510A-6R8MN-ABD	6.80	±20	0.1V/100K	4.18	4.60	36.0	31.0	20.0	26.0
TMPF1510A-8R2MN-ABD	8.20	±20	0.1V/100K	6.00	7.20	32.0	28.0	19.0	25.0
TMPF1510A-100MN-ABD	10.0	±20	0.1V/100K	7.10	8.60	29.0	26.0	18.0	24.0
TMPF1510A-150MN-ABD	15.0	±20	0.1V/100K	9.20	11.5	23.0	20.0	14.0	18.0
TMPF1510A-220MN-ABD	22.0	±20	0.1V/100K	13.2	15.8	20.0	18.0	11.0	16.0
TMPF1510A-330MN-ABD	33.0	±20	0.1V/100K	18.7	20.0	18.7	16.7	9.0	13.0

Note:

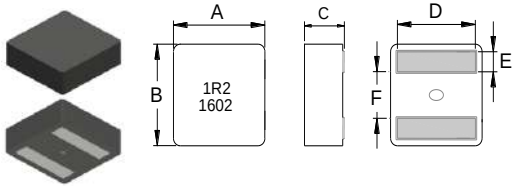
1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Molding Type High Current Power Inductors Low Rdc

TMPF1513A Series

(6965 inch -40~+125℃)

■ Dimensions



Dimensions	
A	17.50±0.30
B	16.50±0.30
C	12.70±0.20
D	13.20±0.50
E	3.20±0.20
F	7.00±0.30

Units: mm

■ Specifications

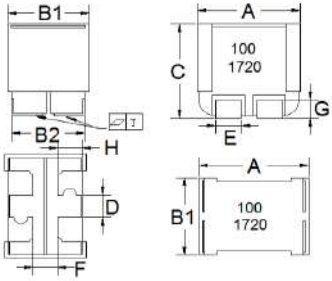
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A)20℃ rise.	I rms (A)40℃ rise.
TMPF1513A-4R7MN-ABD	4.70	±20	0.1V/100K	3.00	3.30	44.00	40.00	23.00	31.00
TMPF1513A-5R6MN-ABD	5.60	±20	0.1V/100K	3.50	3.90	40.00	35.00	22.00	29.00
TMPF1513A-6R8MN-ABD	6.80	±20	0.1V/100K	3.80	4.20	37.00	32.00	21.00	27.00
TMPF1513A-8R2MN-ABD	8.20	±20	0.1V/100K	5.10	5.74	33.00	29.00	20.00	26.00
TMPF1513A-100MN-ABD	10.00	±20	0.1V/100K	6.30	7.00	30.00	27.00	19.00	25.00
TMPF1513A-150MN-ABD	15.00	±20	0.1V/100K	6.80	7.50	25.50	21.00	16.00	22.00
TMPF1513A-220MN-ABD	22.00	±20	0.1V/100K	12.60	13.86	22.00	19.00	12.00	17.00
TMPF1513A-330MN-ABD	33.00	±20	0.1V/100K	18.50	22.20	19.00	16.00	9.00	14.00

Note:

1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

TBMA1004P4 Series (4738 inch -40 ~+125℃)

■ Dimensions



Dimensions	
A	12.0±0.20
B1	9.60±0.20
B2	8.70±0.25
C	11.3±0.30
D	1.95±0.15
E	2.80±0.10
F	3.40Min
G	2.30±0.30
H	2.50±0.30
T	≤0.15

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms ((A) typ.	I rms (A) max.
TBMA1004P4-R43MN-D	0.43	±20	100K/1V	1.90	2.30	27.0	23.0	38.0	34.0
TBMA1004P4-1R0MN-D	1.00	±20	100K/1V	3.30	4.00	18.0	/	27.0	/
TBMA1004P4-3R3MN-D	3.30	±20	100K/1V	10.5	13.0	10.0	/	19.0	/
TBMA1004P4-5R6MN-D	5.60	±20	100K/1V	20.0	23.0	7.50	6.00	11.0	9.00
TBMA1004P4-7R5MN-D	7.50	±20	100K/1V	25.0	28.0	6.80	5.30	10.0	8.00
TBMA1004P4-100MN-D	10.0	±20	100K/1V	30.5	32.6	5.60	4.40	7.40	6.40
TBMA1004P4-150MN-D	15.0	±20	100K/1V	43.5	45.5	4.60	4.10	5.50	5.00
TBMA1004P4-220MN-D	22.0	±20	100K/1V	62.0	74.4	4.00	3.50	5.00	4.50

Note:

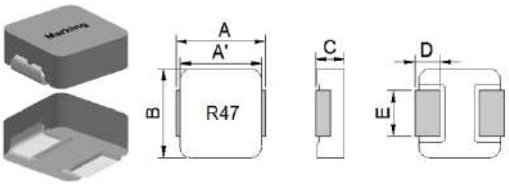
1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

High Current Power Inductors Vibration Resistant

TMAF0301S Series

(1313 inch -40~+125℃)

■ Dimensions



Dimensions	
A	3.20±0.20
A`	3.05±0.20
B	3.10±0.20
C	0.80±0.20
D	0.80±0.20
E	1.60±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMAF0301S-R47MN	0.47	±20	1V/100K	22.5	25.8	7.00	6.00	6.00	5.00
TMAF0301S-R68MN	0.68	±20	1V/100K	30.5	35.1	6.00	5.00	5.00	4.20
TMAF0301S-1R0MN	1.00	±20	1V/100K	47.0	56.4	5.00	4.20	4.00	3.50
TMAF0301S-1R5MN	1.50	±20	1V/100K	75.0	90.0	4.00	3.30	3.30	3.00
TMAF0301S-2R2MN	2.20	±20	1V/100K	89.0	106.8	3.30	2.80	2.80	2.40
TMAF0301S-3R3MN	3.30	±20	1V/100K	140.0	160.0	2.30	1.90	2.20	1.80
TMAF0301S-4R7MN	4.70	±20	1V/100K	179.0	215.0	2.10	1.80	1.90	1.70
TMAF0301S-100MN	10.0	±20	1V/100K	382.0	420.0	1.50	1.35	1.25	1.15

Note:

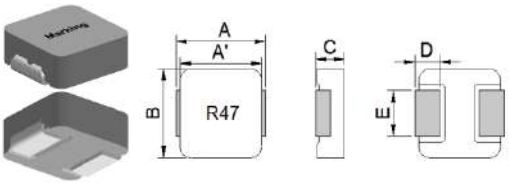
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

TMAF0312S Series

(1313 inch -40~+125℃)

■ Dimensions



Dimensions	
A	3.20±0.20
A`	3.05±0.20
B	3.10±0.20
C	1.00±0.20
D	0.80±0.20
E	1.60±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMAF0312S-R30MN	0.30	±20	1V/100K	11.0	12.7	9.2	8.3	8.6	7.9
TMAF0312S-R47MN	0.47	±20	1V/100K	15.3	17.6	8.0	7.2	7.3	6.4
TMAF0312S-R68MN	0.68	±20	1V/100K	21.2	24.4	6.3	5.5	5.6	5.1
TMAF0312S-1R0MN	1.00	±20	1V/100K	29.0	33.4	5.3	4.5	4.7	4.2
TMAF0312S-1R5MN	1.50	±20	1V/100K	49.0	58.0	4.3	3.8	3.8	3.4
TMAF0312S-2R2MN	2.20	±20	1V/100K	63.5	74.0	3.7	3.2	3.3	2.9
TMAF0312S-3R3MN	3.30	±20	1V/100K	95.0	114.0	3.0	2.6	2.8	2.4
TMAF0312S-4R7MN	4.70	±20	1V/100K	162.0	194.0	2.5	2.1	2.2	1.9

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

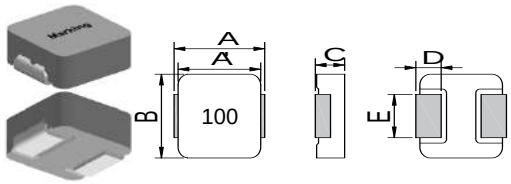
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

High Current Power Inductors Vibration Resistant

TMAF040HS Series

(1717 inch -40~+125℃)

■ Dimensions



Dimensions	
A	4.30±0.20
A`	4.00±0.20
B	4.10±0.20
C	0.70±0.10
D	0.80±0.25
E	2.00±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMAF040HS-6R8MN	6.80	±20	1V/100K	265	318	1.9	1.7	1.7	1.5
TMAF040HS-100MN	10.0	±20	1V/100K	410	450	1.5	1.3	1.2	1.0

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

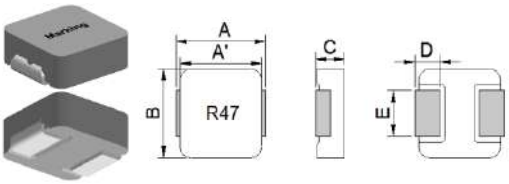
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

High Current Power Inductors Vibration Resistant

TMAF0401S Series

(1717 inch -40~+125℃)

■ Dimensions



Dimensions	
A	4.30±0.20
A'	4.00±0.20
B	4.10±0.20
C	0.80±0.20
D	0.80±0.25
E	2.00±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMAF0401S-R47MN	0.47	±20	1V/100K	19.0	22.8	8.2	7.2	7.5	6.8
TMAF0401S-R56MN	0.56	±20	1V/100K	23.0	27.6	7.0	6.0	6.7	6.0
TMAF0401S-R68MN	0.68	±20	1V/100K	25.0	30.0	6.0	5.0	6.0	5.5
TMAF0401S-1R0MN	1.00	±20	1V/100K	33.0	39.6	5.3	4.8	5.4	5.0
TMAF0401S-1R5MN	1.50	±20	1V/100K	45.0	54.0	4.8	4.4	4.9	4.5
TMAF0401S-2R2MN	2.20	±20	1V/100K	60.0	72.0	3.9	3.3	3.9	3.5
TMAF0401S-3R3MN	3.30	±20	1V/100K	90.0	108.0	3.3	2.9	3.3	2.9
TMAF0401S-4R7MN	4.70	±20	1V/100K	135.0	162.0	2.8	2.5	2.5	2.2
TMAF0401S-6R8MN	6.80	±20	1V/100K	191.0	230.0	2.1	1.8	2.1	1.8
TMAF0401S-100MN	10.00	±20	1V/100K	298.0	350.0	1.7	1.5	1.7	1.5

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

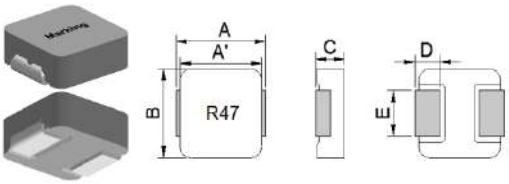
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

High Current Power Inductors Vibration Resistant

TMAF0412S Series

(1717 inch -40~+125℃)

■ Dimensions



Dimensions	
A	4.30±0.20
A`	4.00±0.20
B	4.10±0.20
C	1.00±0.20
D	0.80±0.25
E	2.00±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMAF0412S-R47MN	0.47	±20	1V/100K	12.5	15	11.5	10.0	8.5	7.5
TMAF0412S-R68MN	0.68	±20	1V/100K	17.5	21	10.0	9.0	7.3	6.8
TMAF0412S-1R0MN	1.00	±20	1V/100K	22.5	27	8.2	7.2	6.6	6.0
TMAF0412S-1R5MN	1.50	±20	1V/100K	31.5	37.8	6.2	5.6	5.5	5.0
TMAF0412S-2R0MN	2.00	±20	1V/100K	39	46.8	5.7	5.2	5.0	4.5
TMAF0412S-2R2MN	2.20	±20	1V/100K	48	57.6	5.5	5.0	4.2	3.8
TMAF0412S-3R3MN	3.30	±20	1V/100K	76	91.2	4.2	3.7	3.6	3.1
TMAF0412S-4R7MN	4.70	±20	1V/100K	103	124	3.7	3.2	3.0	2.7
TMAF0412S-6R8MN	6.80	±20	1V/100K	133	160	3.0	2.6	2.6	2.3
TMAF0412S-8R2MN	8.20	±20	1V/100K	195	234	2.6	2.3	2.2	1.9
TMAF0412S-100MN	10.0	±20	1V/100K	217	260	2.3	2.1	1.9	1.7

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

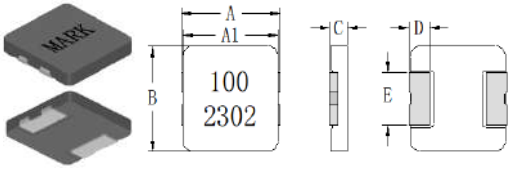
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

High Current Power Inductors Vibration Resistant

TMAF0501SP Series

(2121 inch -40~+125℃)

■ Dimensions



Dimensions	
A	5.40±0.30
A1	5.00±0.20
B	5.10±0.20
C	0.80±0.20
D	1.20±0.30
E	2.50±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMAF0501SP-R47MN-D	0.47	±20	1V/100K	18	21.6	9.0	8.0	7.7	7.0
TMAF0501SP-R68MN-D	0.68	±20	1V/100K	22	26.4	8.5	7.5	6.5	6.0
TMAF0501SP-1R0MN-D	1.00	±20	1V/100K	28	33.6	7.0	6.2	6.0	5.5
TMAF0501SP-1R2MN-D	1.20	±20	1V/100K	33	39.6	6.5	5.9	5.7	5.2
TMAF0501SP-1R5MN-D	1.50	±20	1V/100K	37	44.4	6.2	5.7	5.5	5.0
TMAF0501SP-2R2MN-D	2.20	±20	1V/100K	48	57.6	5.5	5.0	4.5	4.0
TMAF0501SP-3R3MN-D	3.30	±20	1V/100K	75	90	4.8	4.3	4.0	3.5
TMAF0501SP-4R7MN-D	4.70	±20	1V/100K	100	120	3.9	3.4	3.2	2.8
TMAF0501SP-5R6MN-D	5.60	±20	1V/100K	135	162	3.3	2.9	2.7	2.4
TMAF0501SP-6R8MN-D	6.80	±20	1V/100K	168	201	3.1	2.7	2.5	2.2
TMAF0501SP-8R2MN-D	8.20	±20	1V/100K	200	240	2.8	2.4	2.2	1.9
TMAF0501SP-100MN-D	10.0	±20	1V/100K	260	312	2.5	2.2	2.0	1.4

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

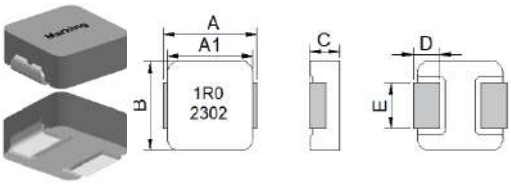
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

High Current Power Inductors Vibration Resistant

TMAF0512SP Series

(2121 inch -40~+125℃)

■ Dimensions



Dimensions	
A	5.40±0.30
A1	5.00±0.20
B	5.10±0.20
C	1.00±0.20
D	1.20±0.30
E	2.50±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMAF0512SP-R47MN-D	0.47	±20	1V/100K	12	14.4	12.0	10.0	9.0	8.0
TMAF0512SP-R68MN-D	0.68	±20	1V/100K	15	18.0	11.0	9.5	8.0	7.5
TMAF0512SP-1R0MN-D	1.00	±20	1V/100K	21	24.0	10.0	8.6	7.0	6.5
TMAF0512SP-1R5MN-D	1.50	±20	1V/100K	26	31.2	7.2	6.5	6.0	5.5
TMAF0512SP-2R2MN-D	2.20	±20	1V/100K	41	49.2	6.0	5.5	5.0	4.5
TMAF0512SP-3R3MN-D	3.30	±20	1V/100K	61	73.2	5.2	4.7	4.5	4.0
TMAF0512SP-4R7MN-D	4.70	±20	1V/100K	84	101	4.1	3.6	3.5	3.0
TMAF0512SP-6R8MN-D	6.80	±20	1V/100K	123	148	3.7	3.3	3.0	2.6
TMAF0512SP-100MN-D	10.0	±20	1V/100K	168	202	2.7	2.4	2.3	2.0

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

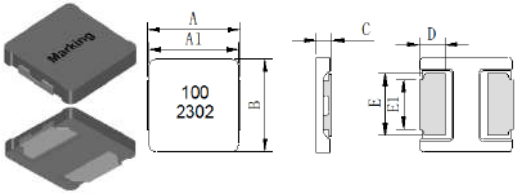
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

High Current Power Inductors Vibration Resistant

TMAF0601SP Series

(2424 inch -40~+125℃)

■ Dimensions



Dimensions	
A	6.10±0.30
A1	6.00±0.20
B	6.10±0.20
C	0.80±0.20
D	1.60±0.30
E	4.00±0.20
E1	3.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMAF0601SP-2R2MN-D	2.20	±20	1V/100K	50	60	6.5	6.0	5.0	4.5
TMAF0601SP-4R7MN-D	4.70	±20	1V/100K	90	108	5.0	4.5	3.5	3.0
TMAF0601SP-100MN-D	10.0	±20	1V/100K	200	240	3.5	3.0	2.3	2.0

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

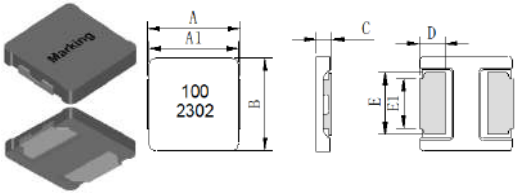
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

High Current Power Inductors Vibration Resistant

TMAF0612SP Series

(2424 inch -40~+125℃)

■ Dimensions



Dimensions	
A	6.10±0.30
A1	6.00±0.20
B	6.10±0.20
C	1.00±0.20
D	1.60±0.30
E	4.00±0.20
E1	3.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMAF0612SP-6R8MN-D	6.80	±20	1V/100K	115	138	4.6	4.0	3.5	3.0
TMAF0612SP-100MN-D	10.0	±20	1V/100K	150	180	4.0	3.5	2.8	2.4

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

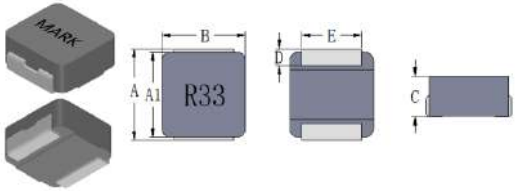
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

High Current Power Inductors Vibration Resistant

THMC0421SP Series

(1717 inch -40~+125℃)

■ Dimensions



Dimensions	
A	4.30±0.30
A1	4.10±0.30
B	4.20±0.20
C	1.90±0.20
D	0.80±0.30
E	3.00±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
THMC0421SP-R10MG	0.10	±20	1V/100K	1.9	2.3	35.0	32.0	19.0	18.0
THMC0421SP-R15MG	0.15	±20	1V/100K	3.1	3.8	29.0	26.0	16.5	15.0
THMC0421SP-R33MG	0.33	±20	1V/100K	5.0	5.8	15.0	13.0	15.0	13.0
THMC0421SP-R47MG	0.47	±20	1V/100K	6.0	7.2	13.0	11.0	13.0	11.0
THMC0421SP-R68MG	0.68	±20	1V/100K	8.2	9.9	11.0	10.0	11.0	10.0
THMC0421SP-1R0MG	1.00	±20	1V/100K	11.5	13.8	10.0	9.5	10.0	9.5
THMC0421SP-1R5MG	1.50	±20	1V/100K	15.4	18.5	9.0	8.0	9.0	8.0
THMC0421SP-2R2MG	2.20	±20	1V/100K	25.0	30.0	7.2	6.5	7.2	6.5
THMC0421SP-3R3MG	3.30	±20	1V/100K	41.0	49.2	6.9	6.2	5.5	5.0
THMC0421SP-4R7MG	4.70	±20	1V/100K	60.0	69.0	5.8	5.2	4.7	4.1
THMC0421SP-5R6MG	5.60	±20	1V/100K	68.0	78.2	4.3	3.7	4.1	3.5
THMC0421SP-6R8MG	6.80	±20	1V/100K	80.5	92.5	3.9	3.4	3.8	3.3
THMC0421SP-8R2MG	8.20	±20	1V/100K	105.0	121.0	3.5	3.1	3.3	3.0
THMC0421SP-100MG	10.0	±20	1V/100K	126.0	145.0	3.3	3.0	3.1	2.9

Note:

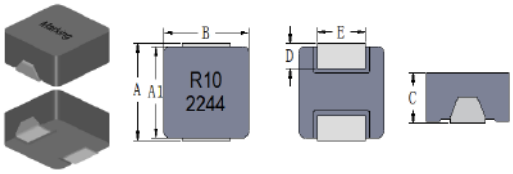
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

THMC0524S Series

(2929 inch -40~+125℃)

■ Dimensions



Dimensions	
A	5.70±0.30
A1	5.20±0.30
B	5.30±0.20
C	2.20±0.20
D	1.20±0.30
E	See spec table

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±5%	I sat 20% typ.	I sat 25% max.	I sat 30% typ.	I sat 30% max.	I rms (A) typ.	I rms (A) max.	E (mm) ±0.3
THMC0524S-R10MG-R8205-D	0.10	±20	1V/100K	0.82±5%	38.0	45.0	55.0	50.0	39.0	35.0	2.3
THMC0524S-R10MG-R8305-D	0.10	±20	1V/100K	0.83±5%	35.0	40.0	50.0	45.0	35.0	31.0	2.3
THMC0524S-R12MG-1R205-D	0.12	±20	1V/100K	1.20±5%	33.0	38.0	50.0	45.0	32.0	28.0	2.0
THMC0524S-R12MG-1R205-D	0.12	±20	1V/100K	1.20±5%	35.0	40.0	50.0	46.0	32.0	28.0	2.0
THMC0524S-R13MG-1R288-D	0.12	±20	1V/100K	1.28±8%	35.0	40.0	50.0	46.0	31.0	28.0	2.0
THMC0524S-R15MG-1R285-D	0.15	±20	1V/100K	1.28±5%	30.0	35.0	45.0	40.0	29.0	25.0	2.0
THMC0524S-R15MG-1R408-D	0.15	±20	1V/100K	1.40±8%	35.0	40.0	49.0	45.0	30.0	26.0	2.0

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

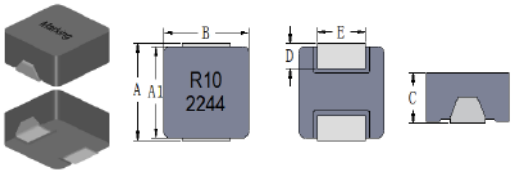
2.Saturation Current (Isat) will cause L0 to drop approximately 20%~30%.(see spec table)

High Current Power Inductors Vibration Resistant

THMC0503S Series

(2929 inch -40~+125℃)

■ Dimensions



Dimensions	
A	5.70±0.30
A1	5.20±0.30
B	5.30±0.20
C	2.80±0.20
D	1.20±0.30
E	2.50±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±5%	I sat 20% typ.	I sat 25% typ.	I sat 30% typ.	I sat 30% max.	I rms (A) typ.
THMC0503S-R10MG-R6705-D	0.10	±20	1V/100K	0.67	46.0	50.0	60.0	57.0	43.0
THMC0503S-R12MG-R6705-D	0.12	±20	1V/100K	0.67	28.0	30.0	35.0	33.0	45.0
THMC0503S-R12MG-R8205-D	0.12	±20	1V/100K	0.82	42.0	45.0	55.0	50.0	42.0
THMC0503S-R15MG-R8205-D	0.15	±20	1V/100K	0.82	27.0	28.0	35.0	33.0	43.0

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

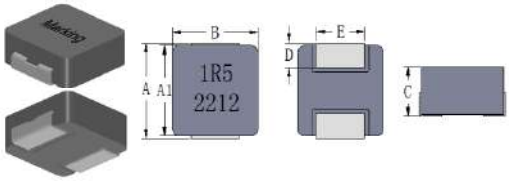
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

High Current Power Inductors Vibration Resistant

THMC0503SP Series

(2323 inch -40~+125℃)

■ Dimensions



Dimensions	
A	5.70±0.30
A1	5.20±0.30
B	5.30±0.20
C	2.80±0.20
D	1.20±0.30
E	3.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
THMC0503SP-R24MG-D	0.24	±20	1V/100K	2.5	3.0	38.0	33.0	25.0	22.5
THMC0503SP-R33MG-D	0.33	±20	1V/100K	2.8	3.4	25.0	22.0	21.0	19.0
THMC0503SP-R36MG-D	0.36	±20	1V/100K	2.9	3.5	24.0	21.0	20.0	18.0
THMC0503SP-R47MG-D	0.47	±20	1V/100K	3.2	3.9	20.0	17.0	19.0	17.0
THMC0503SP-R68MG-D	0.68	±20	1V/100K	4.3	5.2	18.0	15.0	17.0	15.0
THMC0503SP-1R0MG-D	1.00	±20	1V/100K	5.6	6.7	16.0	13.5	15.0	13.0
THMC0503SP-1R2MG-D	1.20	±20	1V/100K	7.0	8.4	15.3	13.3	14.5	12.7
THMC0503SP-1R5MG-D	1.50	±20	1V/100K	8.3	10.0	15.0	13.0	14.0	12.5
THMC0503SP-2R2MG-D	2.20	±20	1V/100K	12.0	14.4	12.5	11.0	12.0	10.5
THMC0503SP-3R3MG-D	3.30	±20	1V/100K	17.5	21.0	10.5	9.0	10.0	9.0
THMC0503SP-4R7MG-D	4.70	±20	1V/100K	27.0	32.4	10.0	8.6	8.5	7.0
THMC0503SP-5R6MG-D	5.60	±20	1V/100K	37.0	44.4	8.0	7.2	7.2	6.5
THMC0503SP-6R8MG-D	6.80	±20	1V/100K	41.5	50.0	7.5	6.7	6.6	6.0
THMC0503SP-8R2MG-D	8.20	±20	1V/100K	52.0	62.4	7.3	6.4	5.8	5.2
THMC0503SP-100MG-D	10.0	±20	1V/100K	65.0	78.0	6.8	6.0	5.0	4.5
THMC0503SP-150MG-D	15.0	±20	1V/100K	98.0	118.0	3.7	3.2	3.5	3.0
THMC0503SP-220MG-D	22.0	±20	1V/100K	133.0	160.0	3.5	3.1	3.1	2.7

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

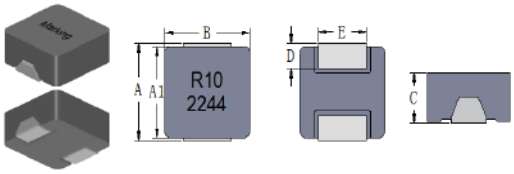
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

High Current Power Inductors Vibration Resistant

THMC0624S Series

(2929 inch -40~+125℃)

■ Dimensions



Dimensions	
A	7.30±0.30
A1	6.70±0.30
B	6.60±0.20
C	2.20±0.20
D	1.80±0.30
E	2.80±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±5%	I sat 20% typ.	I sat 25% max.	I sat 30% typ.	I sat 30% max.	I rms (A) typ.	I rms (A) max.
THMC0624S-R10MG-R6805-D	0.10	±20	1V/100K	0.68	37.0	40.0	52.0	50.0	37.0	33.0
THMC0624S-R12MG-R7505-D	0.12	±20	1V/100K	0.75	35.0	45.0	50.0	48.0	35.0	31.0
THMC0624S-R15MG-R7505-D	0.15	±20	1V/100K	0.75	26.0	28.0	35.0	33.0	35.0	31.0

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

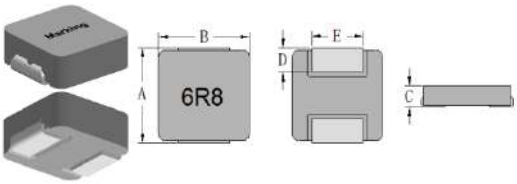
2.Saturation Current (Isat) will cause L0 to drop approximately 20%~30%.(see spec table)

High Current Power Inductors Vibration Resistant

THMA0301S Series

(1313 inch -40~+125℃)

■ Dimensions



Dimensions	
A	3.30±0.20
B	3.10±0.20
C	0.80±0.20
D	0.80±0.20
E	1.60±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
THMA0301S-4R7MN	4.70	±20	1V/100K	190	238	1.9	1.7	1.5	1.3
THMA0301S-6R8MN	6.80	±20	1V/100K	280	340	1.7	1.5	1.3	1.1
THMA0301S-100MN	10.0	±20	1V/100K	382	420	1.4	1.2	1.2	1.1

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃

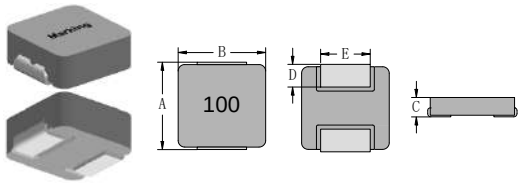
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

High Current Power Inductors Vibration Resistant

THMA040HS Series

(1717 inch -40~+125℃)

■ Dimensions



Dimensions	
A	4.30±0.20
B	4.10±0.20
C	0.70±0.10
D	0.80±0.25
E	2.00±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
THMA040HS-5R6MN	5.6	±20	1V/100K	250	300	2.3	1.9	1.7	1.6
THMA040HS-6R8MN	6.8	±20	1V/100K	260	312	2.2	1.8	1.6	1.5
THMA040HS-100MN	10.0	±20	1V/100K	349	384	1.6	1.4	1.4	1.2

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃

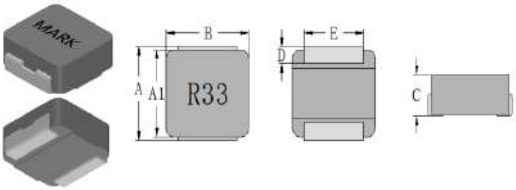
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

High Current Power Inductors Vibration Resistant

THMA0421SP Series

(1717 inch -40~+125℃)

■ Dimensions



Dimensions	
A	4.20±0.30
A1	4.00±0.30
B	4.10±0.20
C	1.90±0.20
D	0.80±0.30
E	3.00±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
THMA0421SP-R10MN	0.10	±20	1V/100K	1.6	2.0	26.0	23.0	24.0	22.0
THMA0421SP-R15MN	0.15	±20	1V/100K	2.9	3.5	22.0	20.0	18.0	16.0
THMA0421SP-R22MN	0.22	±20	1V/100K	4.1	4.9	16.0	13.0	16.0	14.0
THMA0421SP-R33MN	0.33	±20	1V/100K	4.8	5.8	13.5	11.5	15.0	13.0
THMA0421SP-R47MN	0.47	±20	1V/100K	6.0	7.0	11.0	9.5	13.0	11.0
THMA0421SP-R68MN	0.68	±20	1V/100K	7.6	8.8	9.5	8.2	11.0	10.0
THMA0421SP-1R0MN	1.00	±20	1V/100K	9.5	11.0	8.0	7.0	10.0	9.5
THMA0421SP-1R5MN	1.50	±20	1V/100K	14.0	16.0	6.8	6.2	8.5	7.8
THMA0421SP-2R2MN	2.20	±20	1V/100K	20.9	23.0	5.5	4.8	7.5	6.8
THMA0421SP-3R3MN	3.30	±20	1V/100K	38.0	45.6	5.0	4.4	5.6	5.2
THMA0421SP-4R7MN	4.70	±20	1V/100K	54.0	64.8	4.2	3.7	4.5	4.0
THMA0421SP-5R6MN	5.60	±20	1V/100K	63.0	75.6	3.5	3.1	4.1	3.6
THMA0421SP-6R8MN	6.80	±20	1V/100K	80.5	92.5	3.1	2.8	3.5	3.0
THMA0421SP-8R2MN	8.20	±20	1V/100K	103.0	118.5	2.9	2.6	3.2	2.8
THMA0421SP-100MN	100.0	±20	1V/100K	115.0	132.0	2.7	2.4	2.8	2.5

Note:

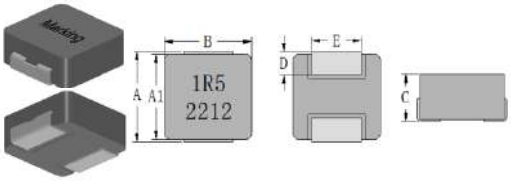
1. Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.
2. Saturation Current (Isat) will cause L0 to drop approximately 30%.

High Current Power Inductors Vibration Resistant

THMA0503SP Series

(2222 inch -40~+125℃)

■ Dimensions



Dimensions	
A	5.60±0.30
A1	5.10±0.30
B	5.20±0.20
C	2.80±0.20
D	1.30±0.30
E	3.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
THMA0503SP-R47MN-D	0.47	±20	1V/100K	3.1	3.7	14.0	12.5	18.0	16.0
THMA0503SP-R68MN-D	0.68	±20	1V/100K	3.7	4.3	11.5	10.5	15.0	13.0
THMA0503SP-1R0MN-D	1.00	±20	1V/100K	5.6	6.7	11.0	10.5	14.0	12.5
THMA0503SP-1R5MN-D	1.50	±20	1V/100K	8.3	10.0	10.5	9.5	13.0	12.0
THMA0503SP-2R2MN-D	2.20	±20	1V/100K	12.0	14.4	8.5	7.5	10.5	9.5
THMA0503SP-3R3MN-D	3.30	±20	1V/100K	16.0	19.2	7.5	6.5	8.5	8.0
THMA0503SP-4R7MN-D	4.70	±20	1V/100K	26.0	31.2	6.5	5.5	7.0	6.6
THMA0503SP-5R6MN-D	5.60	±20	1V/100K	33.0	39.6	6.1	5.2	6.5	5.8
THMA0503SP-6R8MN-D	6.80	±20	1V/100K	36.0	43.2	5.9	5.0	6.3	5.4
THMA0503SP-8R2MN-D	8.20	±20	1V/100K	46.0	55.2	5.5	4.7	5.8	5.1
THMA0503SP-100MN-D	10.0	±20	1V/100K	58.0	69.6	5.0	4.2	5.2	4.6
THMA0503SP-150MN-D	15.0	±20	1V/100K	90.0	108.0	2.6	2.2	4.1	3.6
THMA0503SP-220MN-D	22.0	±20	1V/100K	111.0	133.2	2.2	1.9	3.6	3.3

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

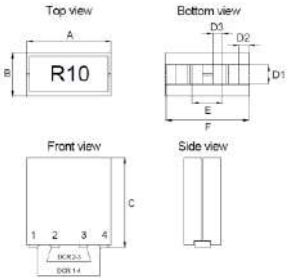
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

Trans-Inductor Voltage Regulator

TLVR966411 Series

(3724 inch -40~+125℃)

■ Dimensions



Dimensions	
A	9.30±0.30
B	6.10±0.30
C	10.20±0.30
D1	3.20±0.30
D2	1.15±0.30
D3	0.60±0.30
E	2.80±0.30
F	9.00±0.30

Units: mm

■ Specifications

Part Number	L (nH) 1-4/2-3	Li (nH) min.	Test Frequency (Hz)	DCR (mΩ) ±10%		Isat1 (A)	Isat2 (A)	Isat3 (A)	Irms (A)	
				1-4	2-3	25℃	100℃	125℃	1-4	2-3
TLVR966411-R10L-D01	100±15%	64	100K/1V	0.125	0.330	98	83	78	75	40
TLVR966411-R12L-D01	120±15%	77	100K/1V	0.125	0.330	79	67	63	75	40
TLVR966411-R15L-D01	150±15%	96	100K/1V	0.125	0.330	62	53	49	75	40
TLVR966411-R18L-D01	180±15%	115	100K/1V	0.125	0.330	54	46	43	75	40
TLVR966411-R22L-D01	220±15%	140	100K/1V	0.125	0.330	50	-	-	75	40

Note:

Irms is the DC current which causes the surface temperature of the part increase approximately 40℃.

Isat1: is the DC current which causes the inductance drop to Li at +25℃

Isat2: is the DC current which causes the inductance drop to Li at +100℃

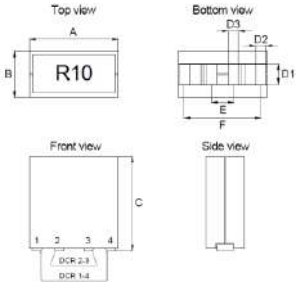
Isat3: is the DC current which causes the inductance drop to Li at +125℃

Trans-Inductor Voltage Regulator

TLVR100512 Series

(4020 inch -40~+125℃)

■ Dimensions



Dimensions	
A	10.00 max.
B	5.00 max.
C	12.00 max.
D1	2.30 typ.
D2	1.10 typ.
D3	0.86 typ.
E	1.96 typ.
F	8.60 typ.

Units: mm

■ Specifications

Part Number	L (nH) 1-4/2-3	L2 (nH) 1-4 @Isat1	Test Frequency (Hz)	DCR (mΩ) ±10%		Isat1 (A)	Isat2 (A)	Isat3 (A)	Irms (A)
				1-4	2-3	25℃	100℃	125℃	1-4
TLVR100512-R07K-D01	70±10%	50	100K/1V	0.125	0.450	127	110	100	75
TLVR100512-R08K-D01	80±10%	57	100K/1V	0.125	0.450	111	96	87	75
TLVR100512-R09K-D01	90±10%	64	100K/1V	0.125	0.450	98	85	77	75
TLVR100512-R10K-D01	100±10%	72	100K/1V	0.125	0.450	89	77	70	75
TLVR100512-R12K-D01	120±10%	86	100K/1V	0.125	0.450	74	64	58	75
TLVR100512-R15K-D01	150±10%	108	100K/1V	0.125	0.450	59	51	46	75
TLVR100512-R17K-D01	170±10%	122	100K/1V	0.125	0.450	52	45	41	75

Note:

Irms is the DC current which causes the surface temperature of the part increase approximately 40℃.

Isat1: Peak current for approximately 20% rolloff at +25℃

Isat2: Peak current for approximately 20% rolloff at +100℃

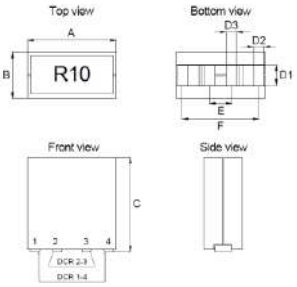
Isat3: Peak current for approximately 20% rolloff at +125℃

Trans-Inductor Voltage Regulator

TLVR110511 Series

(4623 inch -40~+125℃)

■ Dimensions



Dimensions	
A	11.70±0.30
B	5.70±0.30
C	11.00±0.20
D1	2.45±0.30
D2	1.30±0.30
D3	1.15±0.30
E	2.65±0.50
F	10.10±0.50

Units: mm

■ Specifications

Part Number	L (nH) 1-4/2-3	Test Frequency (Hz)	DCR (mΩ) ±10%		Isat1 (A)	Isat2 (A)	Irms (A)	
			1-4	2-3	25℃	100℃	1-4	2-3
TLVR110511-R07L-D01	70±15%	100K/1V	0.125	0.370	160	140	77	45
TLVR110511-R08L-D01	80±15%	100K/1V	0.125	0.370	150	120	77	45
TLVR110511-R09L-D01	90±15%	100K/1V	0.125	0.370	135	115	77	45
TLVR110511-R10L-D01	105±15%	100K/1V	0.125	0.370	125	106	77	45
TLVR110511-R12L-D01	120±15%	100K/1V	0.125	0.370	102	87	77	45
TLVR110511-R15L-D01	150±15%	100K/1V	0.125	0.370	84	71	77	45
TLVR110511-R17L-D01	170±15%	100K/1V	0.125	0.370	70	60	77	45
TLVR110511-R20L-D01	200±15%	100K/1V	0.125	0.370	58	50	77	45

Note:

Irms is the DC current which causes the surface temperature of the part increase approximately 40℃.

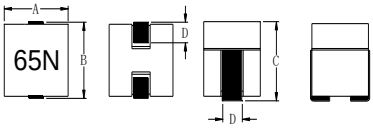
Isat1: Peak current for approximately 20% rolloff at +25℃

Isat2: Peak current for approximately 20% rolloff at +100℃

SLPI040445S Series

(1616 inch -40~+125℃)

■ Dimensions



Dimensions	
A	4.00 Max
B	4.00 Max
C	4.50 Max
D	0.70±0.30
E	1.30±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±10%	I sat 25℃ typ.	I sat 100℃ typ.	I sat 125℃ typ.	I rms (A) max.
SLPI040445S-R055M-R1610	0.055	±20	0.1V/100K	0.16	31	25	23	29
SLPI040445S-R065M-R1610	0.065	±20	0.1V/100K	0.16	25	20	/	29
SLPI040445S-R10K-R1610	0.100	±10	0.1V/100K	0.16	16	13	/	29

Note:

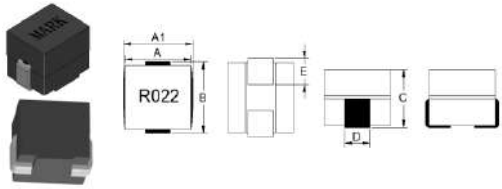
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.(see spec table)

SLPI404230S Series

(1515 inch -40~+125℃)

■ Dimensions



Dimensions	
A	3.75±0.25
A1	4.20 Max
B	3.75±0.25
C	3.00 Max
D	1.40±0.30
E	1.40±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±15%	I sat 25℃ typ.	I sat 100℃ typ.	I rms (A) max.
SLPI404230S-R022M-R3215	0.022	±20	0.1V/100K	0.32	43.0	32.0	19

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

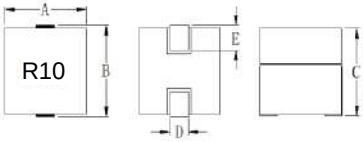
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

High Current Power Inductors

SLPI404240S Series

(1616 inch -40~+125℃)

■ Dimensions



Dimensions	
A	4.00 Max
B	4.20 Max
C	4.00 Max
D	1.40±0.30
E	1.30±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±9%	I sat 25℃ typ.	I sat 45℃ typ.	I sat 100℃ typ.	I sat 115℃ typ.	I rms (A) max.
SLPI404240S-R022M-R3209	0.022	±20	0.1V/100K	0.32	40	38	34	32	19
SLPI404240S-R065L-R3209	0.065	±15	0.1V/100K	0.32	26	25	22	20	19
SLPI404240S-R10K-R3209	0.100	±10	0.1V/100K	0.32	17	15	13	9.5	19

Note:

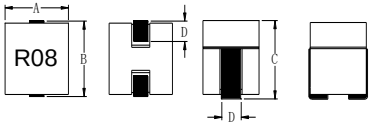
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.(see spec table)

SLPI050565S Series

(2121 inch -40~+125℃)

■ Dimensions



Dimensions	
A	5.20 Max
B	5.20 Max
C	6.50 Max
D	0.70±0.30
E	2.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±10%	I sat 25℃ typ.	I sat 100℃ typ.	I rms (A) max.
SLPI050565S-R08M-R2210	0.08	±20	0.1V/100K	0.22	50	40	34

Note:

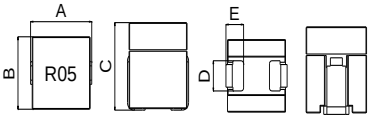
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.(see spec table)

SLPI525061S Series

(2120 inch -40~+125℃)

■ Dimensions



Dimensions	
A	5.20 Max
B	5.00 Max
C	6.10 Max
D	2.00±0.30
E	1.40±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±5%	I rms (A) typ.	I sat (A) typ.
SLPI525061S-R05M-R2905	0.05	±20	0.1V/100K	0.29	56	68
SLPI525061S-R08M-R2905	0.08	±20	0.1V/100K	0.29	56	44
SLPI525061S-R11M-R2905	0.11	±20	0.1V/100K	0.29	56	31
SLPI525061S-R15M-R2905	0.15	±20	0.1V/100K	0.29	56	17

Note:

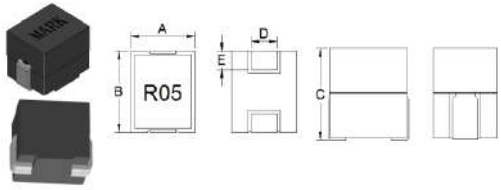
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.(see spec table)

SLPI060566S Series

(2024 inch -40~+125℃)

■ Dimensions



Dimensions	
A	5.00 Max
B	6.00 Max
C	6.60 Max
D	2.00±0.30
E	1.40±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±7%	I sat 25℃ typ.	I sat 60℃ typ.	I sat 85℃ typ.	I sat 100℃ typ.	I rms (A) max.
SLPI060566S-R05M-R2407	0.05	±20	0.1V/100K	0.24	90	82	77	73	56

Note:

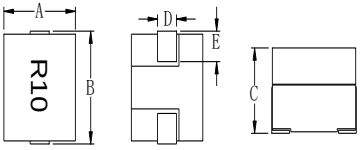
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.(see spec table)

High Current Power Inductors

SLPI070705ST Series (2828 inch -40~+125℃)

■ Dimensions



Dimensions	
A	7.20 Max
B	7.00 Max
C	4.95 Max
D	2.45±0.30
E	1.52±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±8%	I sat 25℃ typ.	I sat 125℃ typ.	I rms (A) max.
SLPI070705ST-R07M-R2508	0.072	±20	0.1V/100K	0.25±8%	65	50	43
SLPI070705ST-R10K-R2508	0.100	±10	0.1V/100K	0.25±8%	44	34	43
SLPI070705ST-R12K-R2508	0.120	±10	0.1V/100K	0.25±8%	37	30	43
SLPI070705ST-R15K-R2508	0.150	±10	0.1V/100K	0.25±8%	30	24	43
SLPI070705ST-R18K-R2508	0.180	±10	0.1V/100K	0.25±8%	25	20	43
SLPI070705ST-R22K-R2508	0.226	±10	0.1V/100K	0.25±8%	20	16	43
SLPI070705ST-R07M-R3207	0.072	±20	0.1V/100K	0.32±7%	65	50	38
SLPI070705ST-R10K-R3207	0.105	±10	0.1V/100K	0.32±7%	44	34	38
SLPI070705ST-R12K-R3207	0.120	±10	0.1V/100K	0.32±7%	37	30	38
SLPI070705ST-R15K-R3207	0.150	±10	0.1V/100K	0.32±7%	30	24	38
SLPI070705ST-R18K-R3207	0.180	±10	0.1V/100K	0.32±7%	25	20	38
SLPI070705ST-R22K-R3207	0.226	±10	0.1V/100K	0.32±7%	20	16	38

Note:

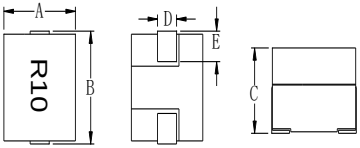
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.(see spec table)

High Current Power Inductors

SLPI070805ST Series (3030 inch -40~+125℃)

■ Dimensions



Dimensions	
A	7.49 Max
B	7.82 Max
C	4.96 Max
D	3.12±0.30
E	2.16±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±8%	I sat 25℃ typ.	I sat 125℃ typ.	I rms (A) max.
SLPI070805ST-R03M-R1708	0.032	±20	0.1V/100K	0.17	110	95	65
SLPI070805ST-R06M-R1708	0.058	±20	0.1V/100K	0.17	83	61	65
SLPI070805ST-R07M-R1708	0.072	±20	0.1V/100K	0.17	67	48	65
SLPI070805ST-R10K-R1708	0.100	±10	0.1V/100K	0.17	50	35	65
SLPI070805ST-R20K-R1708	0.200	±10	0.1V/100K	0.17	20	16	65

Note:

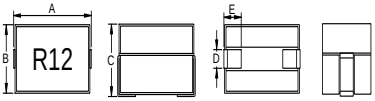
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.(see spec table)

SLPI706805S Series

(2827 inch -40~+125℃)

■ Dimensions



Dimensions	
A	7.00 Max
B	6.80 Max
C	5.00 Max
D	2.50±0.30
E	1.50±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±7%	I rms (A) typ.	I sat (A) typ.
SLPI706805S-R07M-R3207	0.07	±20	0.1V/100K	0.32	31	65
SLPI706805S-R10M-R3207	0.10	±20	0.1V/100K	0.32	31	46
SLPI706805S-R12M-R3207	0.12	±20	0.1V/100K	0.32	31	37
SLPI706805S-R15M-R3207	0.15	±20	0.1V/100K	0.32	31	30
SLPI706805S-R18M-R3207	0.18	±20	0.1V/100K	0.32	31	25
SLPI706805S-R22M-R3207	0.22	±20	0.1V/100K	0.32	31	20

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

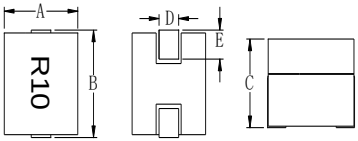
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.(see spec table)

High Current Power Inductors

SLPI096408S Series

(2538 inch -40~+125℃)

■ Dimensions



Dimensions	
A	6.40 Max
B	9.60 Max
C	8.00 Max
D	2.14±0.30
E	2.30±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±5%	I sat 25℃ typ.	I sat 125℃ typ.	I rms (A) max.
SLPI096408S-R10K-R2905	0.10	±10	0.1V/100K	0.29	94	81	51
SLPI096408S-R12K-R2905	0.12	±10	0.1V/100K	0.29	79	68	51
SLPI096408S-R15K-R2905	0.15	±10	0.1V/100K	0.29	65	54.5	51
SLPI096408S-R22K-R2905	0.22	±10	0.1V/100K	0.29	44	37.5	51
SLPI096408S-R28K-R2905	0.28	±10	0.1V/100K	0.29	34	29	51
SLPI096408S-R30K-R2905	0.30	±10	0.1V/100K	0.29	32.5	27.5	51

Note:

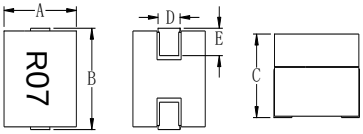
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.(see spec table)

SLPI090755S Series

(2737 inch -40~+125℃)

■ Dimensions



Dimensions	
A	6.80±0.20
B	9.30±0.30
C	5.30±0.20
D	2.30±0.30
E	2.30±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±10%	I sat 25℃ typ.	I sat 100℃ typ.	I sat 125℃ typ.	I rms (A) max.
SLPI090755S-R07L-R1410	0.07	±15	0.1V/100K	0.14	100	85	75	65

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

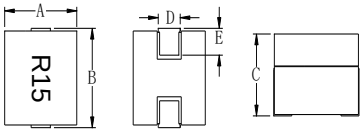
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.(see spec table)

High Current Power Inductors

SLPI100729A Series

(2842 inch -40~+125℃)

■ Dimensions



Dimensions	
A	7.00 Max
B	10.50±0.20
C	2.90 Max
D	2.30±0.30
E	3.10±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) max.	I sat 25℃	I sat 125℃	I rms (A) max.
SLPI100729A-R15L-M40	0.15	±15	0.1V/100K	0.40	L60A≥0.08uH	L60A≥0.08uH	40

Note:

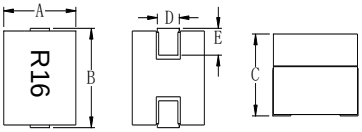
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.(see spec table)

SLPI100705A Series

(2742 inch -40~+125℃)

■ Dimensions



Dimensions	
A	6.80±0.20
B	10.5±0.20
C	4.80±0.20
D	2.54±0.30
E	2.30±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±10%	I sat 25℃	I sat 125℃	I rms (A) max.
SLPI100705A-R16M-R2310	0.16	±20	0.1V/100K	0.23	L60A≥0.07uH	L60A≥0.07uH	40

Note:

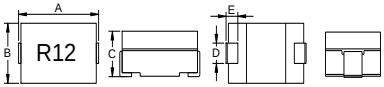
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.(see spec table)

SLPI100705S Series

(4028 inch -40~+125℃)

■ Dimensions



Dimensions	
A	10.2 Max
B	7.00 Max
C	5.00 Max
D	2.30±0.30
E	1.52±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±10%	I sat (A) typ.	I rms (A) typ.
SLPI100705S-R08M-R3210	0.08	±20	0.1V/100K	0.32±10%	80	45
SLPI100705S-R10M-R3210	0.10	±20	0.1V/100K	0.32±10%	62	45
SLPI100705S-R12M-R3210	0.12	±20	0.1V/100K	0.32±10%	56	45
SLPI100705S-R15M-R3210	0.15	±20	0.1V/100K	0.32±10%	50	45
SLPI100705S-R20M-R3210	0.20	±20	0.1V/100K	0.32±10%	33	45
SLPI100705S-R22M-R3210	0.22	±20	0.1V/100K	0.32±10%	30	45

Note:

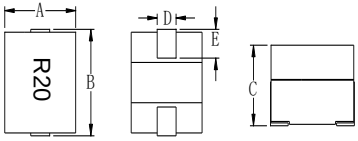
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.(see spec table)

SLPI107050S Series

(2740 inch -40~+125℃)

■ Dimensions



Dimensions	
A	6.80±0.20
B	10.0±0.25
C	5.00 Max
D	2.54±0.30
E	2.03±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±7%	I sat 25℃	I sat 125℃	I rms (A) max.
SLPI107050S-R20K-R2907	0.200	±10	0.1V/100K	0.29	L43A≥0.140uH	L60A≥0.07uH	41

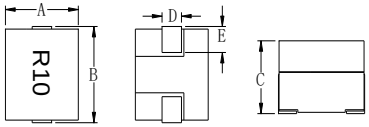
Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.(see spec table)

SLPI100705ST Series (2841 inch -40~+125℃)

■ Dimensions



Dimensions	
A	7.00 Max
B	10.4 Max
C	4.95 Max
D	2.50±0.30
E	1.52±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ)	I sat (A) 25℃	I sat (A) 125℃	I rms (A) max.
SLPI100705ST-R08L-R3107	0.08	±15	0.1V/100K	0.31±7.0%	90	64	53
SLPI100705ST-R10K-R3107	0.10	±10	0.1V/100K	0.31±7.0%	73	57	53
SLPI100705ST-R12K-R3107	0.12	±10	0.1V/100K	0.31±7.0%	60	48	53
SLPI100705ST-R15K-R3107	0.15	±10	0.1V/100K	0.31±7.0%	47	37	53
SLPI100705ST-R22K-R3107	0.22	±10	0.1V/100K	0.31±7.0%	33	26	53
SLPI100705ST-R08L-R3975	0.08	±15	0.1V/100K	0.39±7.5%	90	64	53
SLPI100705ST-R10K-R3975	0.10	±10	0.1V/100K	0.39±7.5%	73	57	53
SLPI100705ST-R12K-R3975	0.12	±10	0.1V/100K	0.39±7.5%	60	48	53
SLPI100705ST-R15K-R3975	0.15	±10	0.1V/100K	0.39±7.5%	47	37	53
SLPI100705ST-R22K-R3975	0.22	±10	0.1V/100K	0.39±7.5%	33	26	53

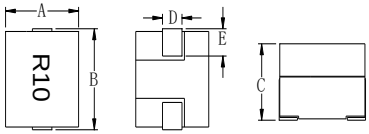
Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.(see spec table)

SLPI100752ST Series (2740 inch -40~+125℃)

■ Dimensions



Dimensions	
A	6.80±0.20
B	10.0±0.25
C	5.00±0.20
D	2.54±0.30
E	2.03±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±10%	I sat (A) 25℃	I sat (A) 100℃	I sat (A) 125℃	I rms (A) max.
SLPI100752ST-R10K-R1210	0.10	±10	0.1V/100K	0.125	L65A≥0.08uH	L55A≥0.08uH	L48A≥0.08uH	40
SLPI100752ST-R12K-R1210	0.12	±10	0.1V/100K	0.125	L55A≥0.096uH	/	/	40

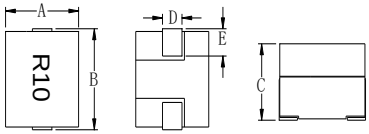
Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.(see spec table)

SLPI107975ST Series (3040 inch -40~+125℃)

■ Dimensions



Dimensions	
A	7.65±0.20
B	10.21±0.20
C	7.20±0.30
D	2.21±0.30
E	2.54±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±5%	I sat (A) 25℃	I sat (A) 125℃	I rms (A) max.
SLPI107975ST-R10M-R2905	0.100	±20	0.1V/100K	0.29	100	90	65
SLPI107975ST-R12M-R2905	0.120	±20	0.1V/100K	0.29	95	86	65
SLPI107975ST-R15M-R2905	0.150	±20	0.1V/100K	0.29	77	70	65
SLPI107975ST-R17M-R2905	0.170	±20	0.1V/100K	0.29	67	60	65
SLPI107975ST-R18M-R2905	0.180	±20	0.1V/100K	0.29	65	55	65
SLPI107975ST-R21M-R2905	0.210	±20	0.1V/100K	0.29	55	47	65
SLPI107975ST-R22K-R2905	0.215	±10	0.1V/100K	0.29	52	43	65
SLPI107975ST-R23M-R2905	0.230	±20	0.1V/100K	0.29	50	40	65
SLPI107975ST-R27M-R2905	0.270	±20	0.1V/100K	0.29	42	34	65
SLPI107975ST-R30M-R2905	0.300	±20	0.1V/100K	0.29	36	30	65

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.(see spec table)

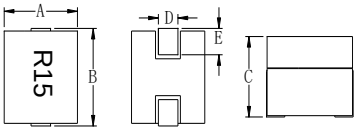
.

High Current Power Inductors

SLPI100807S Series

(3242 inch -40~+125℃)

■ Dimensions



Dimensions	
A	8.00 Max
B	10.6 Max
C	7.00 Max
D	2.10±0.30
E	2.20±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±5%	I sat (A) 25℃	I sat (A) 125℃	I rms (A) max.
SLPI100807S-R12K-R2905	0.12	±10	0.1V/100K	0.29	94	86	61
SLPI100807S-R15K-R2905	0.15	±10	0.1V/100K	0.29	75	60	61
SLPI100807S-R18K-R2905	0.18	±10	0.1V/100K	0.29	60	50	61
SLPI100807S-R22K-R2905	0.22	±10	0.1V/100K	0.29	50	40	61
SLPI100807S-R27K-R2905	0.27	±10	0.1V/100K	0.29	41	33	61
SLPI100807S-R30K-R2905	0.30	±10	0.1V/100K	0.29	35	30	61
SLPI100807S-R33K-R2905	0.33	±10	0.1V/100K	0.29	33	26.5	61
SLPI100807S-R39K-R2905	0.39	±10	0.1V/100K	0.29	28	22.5	61
SLPI100807S-R47K-R2905	0.47	±10	0.1V/100K	0.29	23.5	19	61

Note:

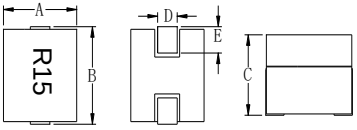
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.(see spec table)

SLPI100875S Series

(3241 inch -40~+125℃)

■ Dimensions



Dimensions	
A	8.00 Max
B	10.4 Max
C	7.50 Max
D	2.25±0.30
E	2.54±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±5%	I sat (A) 25℃	I sat (A) 100℃	I rms (A) max.
SLPI100875S-R12K-R2905	0.12	±10	0.1V/100K	0.29	94	86	61
SLPI100875S-R15K-R2905	0.15	±10	0.1V/100K	0.29	76	70	61
SLPI100875S-R17K-R2905	0.17	±10	0.1V/100K	0.29	66	60	61
SLPI100875S-R22K-R2905	0.22	±10	0.1V/100K	0.29	50	43	61
SLPI100875S-R23K-R2905	0.23	±10	0.1V/100K	0.29	48	40	61
SLPI100875S-R27K-R2905	0.27	±10	0.1V/100K	0.29	40	34	61
SLPI100875S-R30K-R2905	0.30	±10	0.1V/100K	0.29	35	30	61
SLPI100875S-R40K-R2905	0.40	±10	0.1V/100K	0.29	25	/	61

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

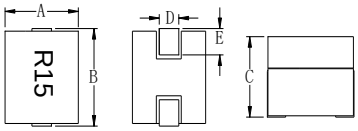
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.(see spec table)

High Current Power Inductors

SLPI100808S Series

(3241 inch -40~+125℃)

■ Dimensions



Dimensions	
A	8.00 Max
B	10.4 Max
C	8.00 Max
D	2.10±0.30
E	2.54±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±5%	I sat (A) 25℃	I sat (A) 100℃	I sat (A) 125℃	I rms (A) max.
SLPI100808S-R12K-R1805	0.12	±10	0.1V/100K	0.18	95	84	77	68
SLPI100808S-R15K-R1805	0.15	±10	0.1V/100K	0.18	79	70	66	68
SLPI100808S-R18K-R1805	0.18	±10	0.1V/100K	0.18	62	56	52	68
SLPI100808S-R22K-R1805	0.22	±10	0.1V/100K	0.18	58	51	47	68

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

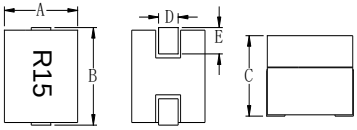
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.(see spec table)

High Current Power Inductors

SLPI110775S Series

(2844 inch -40~+125℃)

■ Dimensions



Dimensions	
A	7.20 Max
B	11.2 Max
C	7.50 Max
D	1.90±0.30
E	2.50±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±5%	I sat (A) 25℃	I sat (A) 125℃	I rms (A) max.
SLPI110775S-R12K-R2905	0.12	±10	0.1V/100K	0.29	90	72	55
SLPI110775S-R15K-R2905	0.15	±10	0.1V/100K	0.29	70	56	55
SLPI110775S-R23K-R2905	0.23	±10	0.1V/100K	0.29	45	36	55
SLPI110775S-R30K-R2905	0.30	±10	0.1V/100K	0.29	35	28	55
SLPI110775S-R40K-R2905	0.40	±10	0.1V/100K	0.29	25	20	55
SLPI110775S-R51K-R2905	0.51	±10	0.1V/100K	0.29	18	14.5	55

Note:

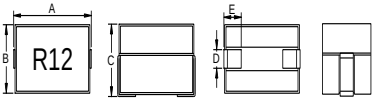
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.(see spec table)

SLPI117275S Series

(4328 inch -40~+125℃)

■ Dimensions



Dimensions	
A	11.00 Max
B	7.20 Max
C	7.50 Max
D	1.90±0.30
E	2.50±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±5%	I rms (A) typ.	I sat (A) typ.
SLPI117275S-R12M-R2905	0.12	±20	0.1V/100K	0.29	48	85
SLPI117275S-R15M-R2905	0.15	±20	0.1V/100K	0.29	48	70
SLPI117275S-R23M-R2905	0.23	±20	0.1V/100K	0.29	48	45
SLPI117275S-R30M-R2905	0.30	±20	0.1V/100K	0.29	48	32
SLPI117275S-R40M-R2905	0.40	±20	0.1V/100K	0.29	48	23
SLPI117275S-R50M-R2905	0.50	±20	0.1V/100K	0.29	48	17

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

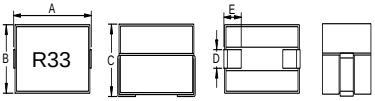
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.(see spec table)

High Current Power Inductors

SLPI111109S Series

(4543 inch -40~+125℃)

■ Dimensions



Dimensions	
A	11.50 Max
B	11.00 Max
C	9.00 Max
D	2.18±0.30
E	3.20±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±10%	I rms (A) typ.	I sat (A) typ.
SLPI111109S-R25M-R3210	0.25	±20	0.1V/100K	0.30	55	68
SLPI111109S-R33M-R3210	0.33	±20	0.1V/100K	0.30	55	54
SLPI111109S-R47M-R3210	0.47	±20	0.1V/100K	0.30	55	38

Note:

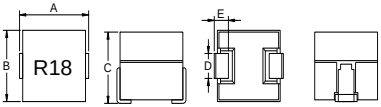
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.(see spec table)

SLPI131308S Series

(5351 inch -40~+125℃)

■ Dimensions



Dimensions	
A	13.46 Max
B	12.95 Max
C	8.00 Max
D	5.08±0.30
E	2.54±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±9%	I sat (A) max.	I rms (A) max.
SLPI131308S-R18M-R2909	0.18	±20	0.1V/100K	0.29	90	45
SLPI131308S-R21M-R2909	0.21	±20	0.1V/100K	0.29	70	45
SLPI131308S-R26M-R2909	0.26	±20	0.1V/100K	0.29	60	45
SLPI131308S-R32M-R2909	0.32	±20	0.1V/100K	0.29	50	45
SLPI131308S-R44M-R2909	0.44	±20	0.1V/100K	0.29	35	45

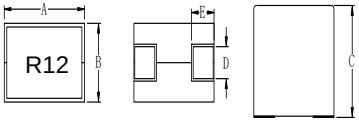
Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.(see spec table)

SEPI060690LN Series (2424 inch -40~+125℃)

■ Dimensions



Dimensions	
A	6.00 Max
B	6.00 Max
C	9.00 Max
D	3.30±0.30
E	1.10±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±10%	I sat (A) 25℃	I sat (A) 125℃	I rms (A) max.
SEPI060690LN-R12K-R2510	0.12	±20	0.1V/100K	0.25	58	50	50

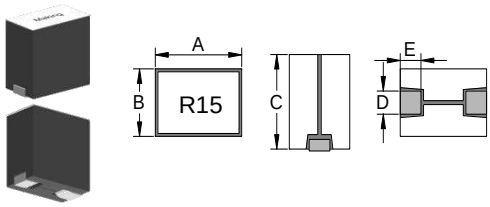
Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

SEPI726711LN Series (2826 inch -40~+125℃)

■ Dimensions



Dimensions	
A	7.20 Max
B	6.70 Max
C	11.2 Max
D	3.30±0.30
E	1.90±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±5%	I sat (A) typ.	I rms (A) typ.
SEPI726711LN-R12M-R2905	0.12	±20	0.1V/100K	0.29	75	40
SEPI726711LN-R15M-R2905	0.15	±20	0.1V/100K	0.29	72	40
SEPI726711LN-R22M-R2905	0.22	±20	0.1V/100K	0.29	50	40
SEPI726711LN-R33M-R2905	0.33	±20	0.1V/100K	0.29	28	40

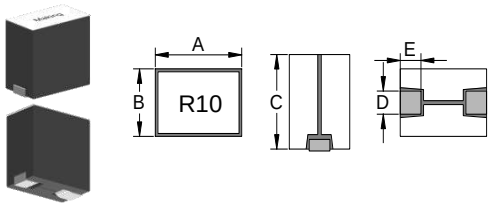
Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.(see spec table)

SEPI805080LN Series (3119 inch -40~+125℃)

■ Dimensions



Dimensions	
A	7.80±0.20
B	4.80±0.20
C	7.80±0.20
D	1.90±0.30
E	1.80±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±7%	I sat (A) typ.	I rms (A) typ.
SEPI805080LN-R10L-R2007	0.10	±15	0.1V/100K	0.20	75	65
SEPI805080LN-R12L-R2007	0.12	±15	0.1V/100K	0.20	62	65
SEPI805080LN-R18L-R2007	0.18	±15	0.1V/100K	0.20	35	65

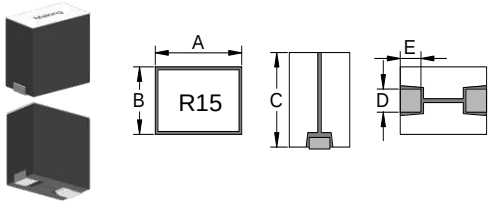
Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.(see spec table)

SEPI966408LN Series (3825 inch -40~+125℃)

■ Dimensions



Dimensions	
A	9.60 Max
B	6.40 Max
C	8.00 Max
D	2.15±0.30
E	2.50±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ)	I sat (A) typ.	I rms (A) typ.
SEPI966408LN-R12M-R1410	0.12	±20	0.1V/100K	0.145±10%	70	65
SEPI966408LN-R15M-R1410	0.15	±20	0.1V/100K	0.145±10%	60	65
SEPI966408LN-R30M-R1410	0.30	±20	0.1V/100K	0.145±10%	26	65
SEPI966408LN-R12M-R2905	0.12	±20	0.1V/100K	0.290±5%	79	51
SEPI966408LN-R15M-R2905	0.15	±20	0.1V/100K	0.290±5%	65	51
SEPI966408LN-R22M-R2905	0.22	±20	0.1V/100K	0.290±5%	44	51

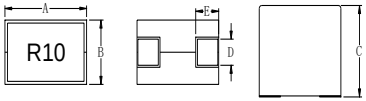
Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.(see spec table)

SEPI966409LN Series (3825 inch -40~+125℃)

■ Dimensions



Dimensions	
A	9.60 Max
B	6.40 Max
C	9.00 Max
D	2.60±0.30
E	2.50±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±5%	I sat (A) 25℃	I sat (A) 125℃	I rms (A) typ.
SEPI966409LN-R10M-R1705	0.10	±20	1V/100K	0.17	100	90	66
SEPI966409LN-R12M-R1705	0.12	±20	1V/100K	0.17	94	75	66
SEPI966409LN-R15M-R1705	0.15	±20	1V/100K	0.17	75	60	66
SEPI966409LN-R30M-R1705	0.30	±20	1V/100K	0.17	33	29	66

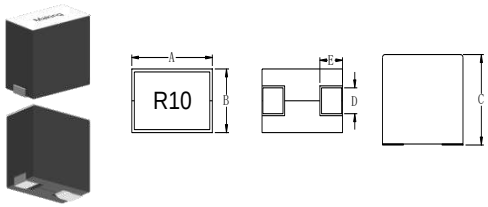
Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.(see spec table)

SEPI966410LN Series (3826 inch -40~+125℃)

■ Dimensions



Dimensions	
A	9.60 Max
B	6.60 Max
C	10.0 Max
D	3.20±0.30
E	2.70±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) max.	I sat (A) 25℃	I sat (A) 125℃	I rms (A) typ.
SEPI966410LN-R07L-M12	0.07	±15	0.1V/100K	0.12	145	126	84
SEPI966410LN-R10K-M12	0.10	±10	0.1V/100K	0.12	108	90	84
SEPI966410LN-R12K-M12	0.12	±10	0.1V/100K	0.12	85	72	84
SEPI966410LN-R15K-M12	0.15	±10	0.1V/100K	0.12	67	58	84
SEPI966410LN-R18K-M12	0.18	±10	0.1V/100K	0.12	56	49	84
SEPI966410LN-R22K-M12	0.22	±10	0.1V/100K	0.12	46	40	84
SEPI966410LN-R28K-M12	0.28	±10	0.1V/100K	0.12	36	31	84

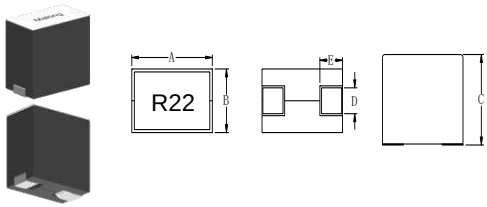
Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.(see spec table)

SEPI966412LN Series (3826 inch -40~+125℃)

■ Dimensions



Dimensions	
A	9.60 Max
B	6.60 Max
C	12.2 Max
D	2.60±0.30
E	2.60±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±7%	I sat (A) 25℃	I sat (A) 100℃	I sat (A) 125℃	I rms (A) typ.
SEPI966412LN-R22K-R1707	0.22	±10	0.1V/100K	0.175	65	52	49	65
SEPI966412LN-R30K-R1707	0.30	±10	0.1V/100K	0.175	44	37	/	65
SEPI966412LN-R47K-R1707	0.47	±10	0.1V/100K	0.175	27	23	/	65

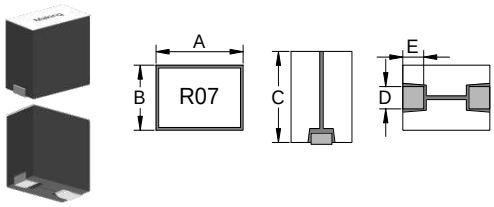
Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.(see spec table)

SEPI106012LN Series (4024 inch -40~+125℃)

■ Dimensions



Dimensions	
A	10.0 Max
B	6.00 Max
C	12.0 Max
D	2.40±0.30
E	3.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ)	I sat (A) 25℃	I sat (A) 100℃	I sat (A) 125℃	I rms (A) typ.
SEPI106012LN-R07M-R1208	0.07	±20	0.1V/100K	0.125±8%	150	/	/	77
SEPI106012LN-R10M-R1208	0.10	±20	0.1V/100K	0.125±8%	125	/	/	77
SEPI106012LN-R12M-R1208	0.12	±20	0.1V/100K	0.125±8%	105	/	/	77
SEPI106012LN-R15M-R1208	0.15	±20	0.1V/100K	0.125±8%	83	/	/	77
SEPI106012LN-R33M-R1208	0.33	±20	0.1V/100K	0.125±8%	40	/	/	77
SEPI106012LN-R07M-R1210	0.07	±20	0.1V/100K	0.125±10%	135	110	100	77
SEPI106012LN-R10L-R1210	0.10	±20	0.1V/100K	0.125±10%	125	105	95	77
SEPI106012LN-R12L-R1210	0.12	±20	0.1V/100K	0.125±10%	105	88	81	77
SEPI106012LN-R15L-R1210	0.15	±20	0.1V/100K	0.125±10%	83	78	71	77
SEPI106012LN-R33L-R1210	0.33	±20	0.1V/100K	0.125±10%	40	32	28	77

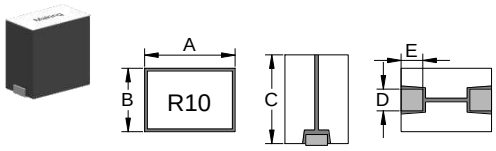
Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%..(see spec table)

SEPI100709LN Series (4028 inch -40~+125℃)

■ Dimensions



Dimensions	
A	10.0±0.15
B	7.00±0.15
C	9.00±0.15
D	2.70±0.30
E	2.50±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±10%	I sat (A) typ.	I rms (A) typ.
SEPI100709LN-R10M-R1810	0.10	±20	0.1V/100K	0.18	100	70
SEPI100709LN-R12M-R1810	0.12	±20	0.1V/100K	0.18	100	70
SEPI100709LN-R15M-R1810	0.15	±20	0.1V/100K	0.18	75	70
SEPI100709LN-R22M-R1810	0.22	±20	0.1V/100K	0.18	44	70

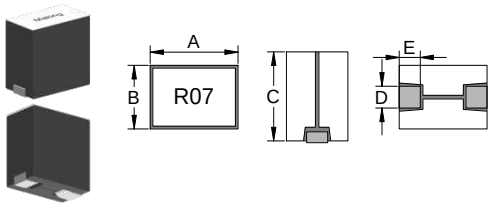
Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2..Saturation Current (Isat) will cause L0 to drop approximately 30%.(see spec table)

SEPI100710LN Series (4028 inch -40~+125℃)

■ Dimensions



Dimensions	
A	10.0 Max
B	7.00 Max
C	10.0 Max
D	2.45±0.30
E	2.40±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±5%	I sat (A) typ.	I rms (A) typ.
SEPI100710LN-R07M-R1705	0.07	±20	0.1V/100K	0.17	145	70
SEPI100710LN-R12M-R1705	0.12	±20	0.1V/100K	0.17	90	70
SEPI100710LN-R15M-R1705	0.15	±20	0.1V/100K	0.17	82	70
SEPI100710LN-R20M-R1705	0.20	±20	0.1V/100K	0.17	65	70
SEPI100710LN-R22M-R1705	0.22	±20	0.1V/100K	0.17	55	70
SEPI100710LN-R33M-R1705	0.33	±20	0.1V/100K	0.17	38	70

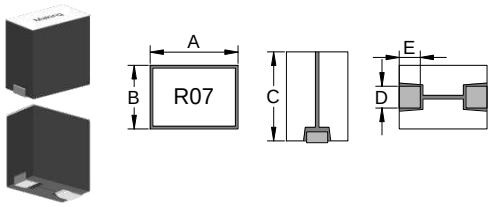
Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

SEPI100710LN Series (4028 inch -40~+125℃)

■ Dimensions



Dimensions	
A	10.0 Max
B	7.00 Max
C	10.0 Max
D	2.55±0.30
E	2.60±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±10%	I sat (A) typ.	I rms (A) typ.
SEPI100710LN-R07L-R1710	0.07	±15	0.1V/100K	0.17	165	68
SEPI100710LN-R12K-R1710	0.12	±10	0.1V/100K	0.17	107	68
SEPI100710LN-R15K-R1710	0.15	±10	0.1V/100K	0.17	92	68
SEPI100710LN-R20K-R1710	0.20	±10	0.1V/100K	0.17	68	68
SEPI100710LN-R22K-R1710	0.22	±10	0.1V/100K	0.17	62	68
SEPI100710LN-R33K-R1710	0.33	±10	0.1V/100K	0.17	37	68

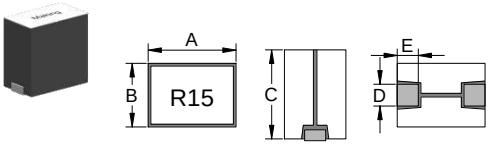
Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

SEPI100710LN Series (4028 inch -40~+125℃)

■ Dimensions



Dimensions	
A	10.0 Max
B	7.00 Max
C	10.0 Max
D	2.55±0.30
E	2.60±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±10%	I sat (A) typ.	I rms (A) typ.
SEPI100710LN-R12M-R1810	0.12	±20	0.1V/100K	0.185	90	68
SEPI100710LN-R15M-R1810	0.15	±20	0.1V/100K	0.185	80	68
SEPI100710LN-R33M-R1810	0.33	±20	0.1V/100K	0.185	38	68

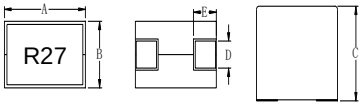
Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.(see spec table)

SEPI107512LN Series (4230 inch -40~+125℃)

■ Dimensions



Dimensions	
A	10.7 Max
B	7.50 Max
C	12.2 Max
D	3.10±0.30
E	2.80±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±7%	I sat (A) 25℃	I sat (A) 100℃	I rms (A) typ.
SEPI107512LN-R27K-R1507	0.27	±10	0.1V/100K	0.15	60	51	75

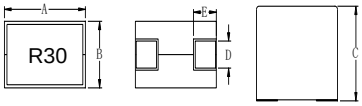
Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.(see spec table)

SEPI107597LN Series (4230 inch -40~+125℃)

■ Dimensions



Dimensions	
A	10.7 Max
B	7.50 Max
C	9.70 Max
D	2.80±0.30
E	2.80±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±5%	I sat (A) 25℃	I sat (A) 100℃	I sat (A) 125℃	I rms (A) typ.
SEPI107597LN-R30K-R2305	0.30	±10	0.1V/100K	0.23	50	41	37	61

Note:

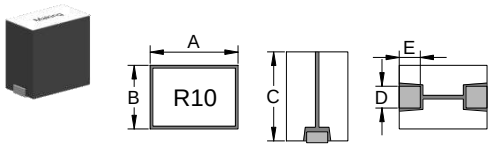
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.(see spec table)

High Current Power Inductors

SEPI100810LN Series (4032 inch -40~+125℃)

■ Dimensions



Dimensions	
A	10.0±0.15
B	8.00±0.15
C	10.0±0.15
D	3.40±0.30
E	2.65±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±10%	I sat (A) typ.	I rms (A) typ.
SEPI100810LN-R10M-R1310	0.10	±20	0.1V/100K	0.13	100	65
SEPI100810LN-R12M-R1310	0.12	±20	0.1V/100K	0.13	100	65
SEPI100810LN-R15M-R1310	0.15	±20	0.1V/100K	0.13	75	65
SEPI100810LN-R27M-R1310	0.27	±20	0.1V/100K	0.13	42	65

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃.

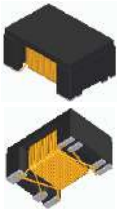
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.(see spec table)

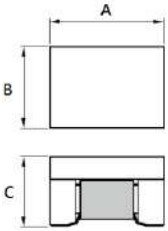
SMD Pulse Transformer

TXF 453229 Series-7P

(1812 inch -40 ~+85℃)

■ Dimensions





Dimensions	
A	4.70±0.20
B	3.22±0.20
C	2.90 max

Units: mm

■ Specifications

TAI-TECH Part Number	Inductance (uH) (DC bias 0mA)	Test Frequency (Hz/V)	Insertion Loss	Cp Capacitance (pF)	Turns Ratio	HI-POT
TXF453229NF-181-7P	180 uH(min)	100K/0.1	1-100MHZ -1.0dB Max	35pF(typ.)	1:1	AC 1.5KV 60SEC

TAI-TECH Part Number	Inductance (uH) (DC bias 0mA)	Inductance (uH) (DC bias 15mA)	Test Frequency (Hz/V)	Insertion Loss	Cp Capacitance (pF)	Turns Ratio	HI-POT
TXF453229NF-231-7P	230 uH(min)	200 uH(min)	100K/0.1	1-100MHZ -1.5dB Max	35pF(typ.)	1:1	AC 1.5KV 60SEC

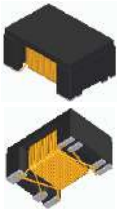
TAI-TECH Part Number	Inductance (uH) (DC bias 0mA)	Inductance (uH) (DC bias 8mA)	Test Frequency (Hz/V)	Insertion Loss	Cp Capacitance (pF)	Turns Ratio	HI-POT
TXF453229NF-381-7P	380 uH(Min)	350 uH(Min)	100K/0.1	1-100MHZ -1.5dB Max	35pF(typ.)	1:1	AC 1.5KV 60SEC

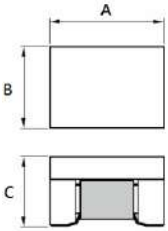
SMD Pulse Transformer

TXF 403829 Series-7P

(1812 inch -40 ~+105℃)

■ Dimensions





Dimensions	
A	4.00±0.20
B	3.80±0.20
C	2.90 max

Units: mm

■ Specifications

■For 10/100/1G Base-T

TAI-TECH Part Number	Inductance (uH) (DC bias 0mA)	Test Frequency (Hz/V)	Insertion Loss	Cp Capacitance (pF)	Turns Ratio	HI-POT
TXF403829NF-121-7P	120 uH(min)	100K/0.1	1-100MHZ -1.0dB Max	35pF(typ.)	1:1	AC 1.5KV 60SEC
TXF403829NF-181-7P	180 uH(min)	100K/0.1	1-100MHZ -1.0dB Max	35pF(typ.)	1:1	AC 1.5KV 60SEC

■For 10/100/1G Base-T , POE+ 720mA

TAI-TECH Part Number	Inductance (uH) (DC bias 0mA)	Test Frequency (Hz/V)	Insertion Loss	Rated Current (mA) Max.	Cp Capacitance (pF)	Turns Ratio	HI-POT
TXF403829NF-121-7P-P1	120 uH(min)	100K/0.1	1-100MHZ -1.0dB Max	720	35pF(typ.)	1:1	AC 1.5KV 60SEC
TXF403829NF-181-7P-P1	180 uH(min)	100K/0.1	1-100MHZ -1.0dB Max	720	35pF(typ.)	1:1	AC 1.5KV 60SEC

SMD Pulse Transformer

TXF 403829 Series-7P

(1812 inch -40 ~+105℃)

■ Specifications

■For 1G, 2.5/5G Base-T

TAI-TECH Part Number	Inductance (uH) (DC bias 0mA)	Test Frequency (Hz/V)	Insertion Loss 1-250MHZ	Cp Capacitance (pF)	Turns Ratio	HI-POT
TXF403829NF-121-7P-G	120 uH(min)	100K/0.1	-1-5dB Typ. -2.0dB Max	35pF(typ.)	1:1	AC 1.5KV 60SEC
TXF403829NF-181-7P-G	180 uH(min)	100K/0.1	-1-5dB Typ. -2.0dB Max	35pF(typ.)	1:1	AC 1.5KV 60SEC

■For 1G, 2.5/5G Base-T, POE 350mA

TAI-TECH Part Number	Inductance (uH) (DC bias 0mA)	Test Frequency (Hz/V)	Insertion Loss 1-250MHZ	Rated Current (mA) Max.	Cp Capacitance (pF)	Turns Ratio	HI-POT
TXF403829NF-121-7P-GP0	120 uH(min)	100K/0.1	-1-5dB Typ. -2.0dB Max	350	35pF(typ.)	1:1	AC 1.5KV 60SEC
TXF403829NF-181-7P-GP0	180 uH(min)	100K/0.1	-1-5dB Typ. -2.0dB Max	350	35pF(typ.)	1:1	AC 1.5KV 60SEC

■For 1G, 2.5/5G Base-T, POE+ 720mA

TAI-TECH Part Number	Inductance (uH) (DC bias 0mA)	Test Frequency (Hz/V)	Insertion Loss 1-250MHZ	Rated Current (mA) Max.	Cp Capacitance (pF)	Turns Ratio	HI-POT
TXF403829NF-121-7P-GP1	120 uH(min)	100K/0.1	-1-5dB Typ. -2.0dB Max	720	35pF(typ.)	1:1	AC 1.5KV 60SEC
TXF403829NF-181-7P-GP1	180 uH(min)	100K/0.1	-1-5dB Typ. -2.0dB Max	720	35pF(typ.)	1:1	AC 1.5KV 60SEC

TXF 403829 Series-7P

(1812 inch -40 ~+105℃)

■ Specifications

■For 1G, 2.5/5G, 10G Base-T

TAI-TECH Part Number	Inductance (uH) (DC bias 0mA)	Test Frequency (Hz/V)	Insertion Loss 1-500MHZ	Cp Capacitance (pF)	Turns Ratio	HI-POT
TXF403829NF-121-7P-S	120 uH(min)	100K/0.1	-3.0dB Typ. -4.0dB Max	35pF(typ.)	1:1	AC 1.5KV 60SEC

■For 1G, 2.5/5G, 10G Base-T, POE= 350mA

TAI-TECH Part Number	Inductance (uH) (DC bias 0mA)	Test Frequency (Hz/V)	Insertion Loss 1-500MHZ	Rated Current (mA) Max.	Cp Capacitance (pF)	Turns Ratio	HI-POT
TXF403829NF-121-7P-SP0	120 uH(min)	100K/0.1	-3.0dB Typ. -4.0dB Max	350	35pF(typ.)	1:1	AC 1.5KV 60SEC

■For 1G, 2.5/5G, 10G Base-T, POE+ 720mA

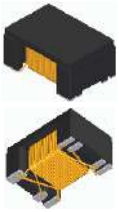
TAI-TECH Part Number	Inductance (uH) (DC bias 0mA)	Test Frequency (Hz/V)	Insertion Loss 1-500MHZ	Rated Current (mA) Max.	Cp Capacitance (pF)	Turns Ratio	HI-POT
TXF403829NF-121-7P-SP1	120 uH(min)	100K/0.1	-3.0dB Typ. -4.0dB Max	720	35pF(typ.)	1:1	AC 1.5KV 60SEC

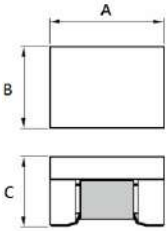
SMD Pulse Transformer

TXF 464429 Series-7P

(1812 inch -40 ~+105℃)

■ Dimensions





Dimensions	
A	4.70±0.20
B	4.40±0.20
C	2.90 max

Units: mm

■ Specifications

■For 10/100/1G Base-T

TAI-TECH Part Number	Inductance (uH) (DC bias 0mA)	Inductance (uH) (DC bias 8mA)	Test Frequency (Hz/V)	Insertion Loss	Cp Capacitance (pF)	Turns Ratio	HI-POT
TXF464429NF-381-7P	380 uH(min)	350 uH(min)	100K/0.1	1-100MHZ -1.5dB Max	35pF(typ.)	1:1	AC 1.5KV 60SEC

■For 10/100/1G Base-T, POE= 350mA

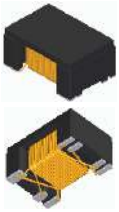
TAI-TECH Part Number	Inductance (uH) (DC bias 0mA)	Inductance (uH) (DC bias 8mA)	Test Frequency (Hz/V)	Insertion Loss	Rated Current (mA) Max.	Cp Capacitance (pF)	Turns Ratio	HI-POT
TXF464429NF-381-7P-P0	380 uH(min)	350 uH(min)	100K/0.1	1-100MHZ -1.5dB Max	350	35pF(typ.)	1:1	AC 1.5KV 60SEC

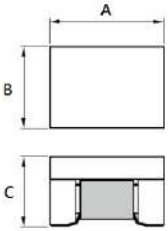
SMD Pulse Transformer

TXF 564545 Series-7P

(2220 inch -40 ~+105℃)

■ Dimensions





Dimensions	
A	5.72±0.20
B	4.45±0.20
C	4.50 max

Units: mm

■ Specifications

■For 10/100/1G Base-T

TAI-TECH Part Number	Inductance (uH) (DC bias 0mA)	Test Frequency (Hz/V)	Insertion Loss 1-100MHZ	Return loss 1-100MHZ	Cp Capacitance (pF)	Turns Ratio	HI-POT
TXF564545NF-151-7P	150 uH(min)	100K/0.1	-1.0dB typ. -1.2dB Max	-15dB typ. -12dB min.	40pF(typ.)	1:1	AC 1.5KV 60SEC

■For 10/100/1G Base-T, POE+ 720mA

TAI-TECH Part Number	Inductance (uH) (DC bias 0mA)	Inductance (uH) (DC bias 8mA)	Test Frequency (Hz/V)	Insertion Loss 1-100MHZ	Return loss 1-100MHZ
TXF564545NF-151-7P-P1	150 uH(min)	120 uH(min)	100K/0.1	-1.0dB typ. -1.2dB Max	-15dB typ. -12dB min.
	Rated Current (mA) Max.	**Cp Capacitance (pF)**	**Turns Ratio**	**HI-POT**	
	720	40pF(typ.)	1:1	AC 1.5KV 60SEC	

TXF 564545 Series-7P

(2220 inch -40 ~+105℃)

■ Specifications

■For 10/100/1G Base-T, POE++ 1000mA

TAI-TECH Part Number	Inductance (uH) (DC bias 0mA)	Inductance (uH) (DC bias 8mA)	Test Frequency (Hz/V)	Insertion Loss 1-100MHZ	Return loss 1-100MHZ
TXF564545NF-151-7P-P2	150 uH(min)	120 uH(min)	100K/0.1	-1.0dB typ. -1.2dB Max	-15dB typ. -12dB min.
	Rated Current (mA) Max.	**Cp Capacitance (pF)**	**Turns Ratio**	**HI-POT**	
	1000	40pF(typ.)	1:1	AC 1.5KV 60SEC	

■For 1G, 2.5/5G Base-T, POE++ 1000mA

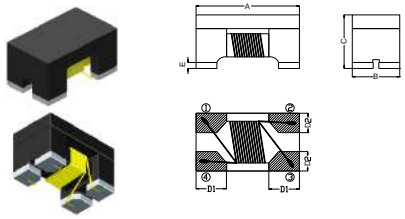
TAI-TECH Part Number	Inductance (uH) (DC bias 0mA)	Inductance (uH) (DC bias 8mA)	Test Frequency (Hz/V)	Insertion Loss 1-250MHZ	Return loss 1-250MHZ
TXF564545NF-151-7P-GP2	150 uH(min)	120 uH(min)	100K/0.1	-1.5dB typ. -2.0dB Max	-15dB typ. -10dB min.
	Rated Current (mA) Max.	**Cp Capacitance (pF)**	**Turns Ratio**	**HI-POT**	
	1000	40pF(typ.)	1:1	AC 1.5KV 60SEC	

Wire Wound Common Mode Chokes

WCM 2012 Series-G

(0805 inch -40~+125℃)

■ Dimensions



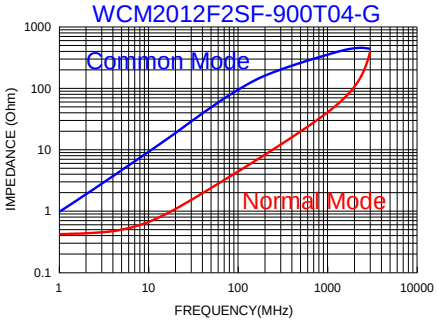
Dimensions	
A	2.00±0.20
B	1.20±0.20
C	1.20±0.20
D1	0.50±0.10
D2	0.51±0.10
E	0.15±0.10

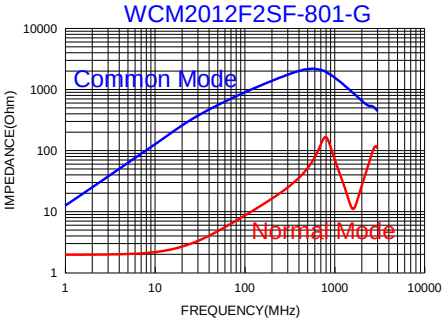
Units: mm

■ Specifications

Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	Insertion Loss 1~250MHz	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc)max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
WCM2012F2SF-900T04-G	90±25%	100	-0.3dB typ. -0.5dB min.	0.30	400	50	125	10M
WCM2012F2SF-801-G	800±25%	100	-0.4dB typ. -0.6dB min.	0.88	300	50	125	10M

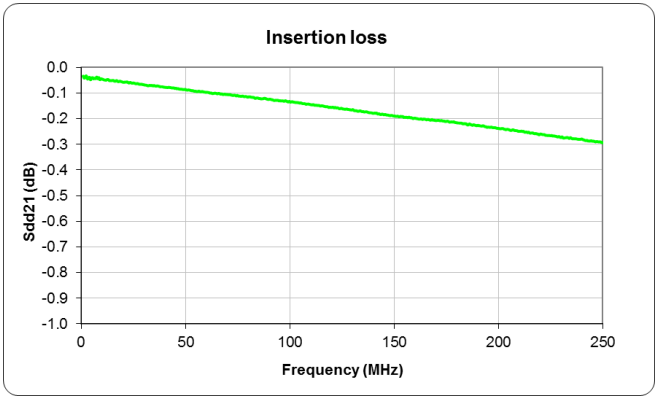
■ Impedance-Frequency Characteristics (Typical)



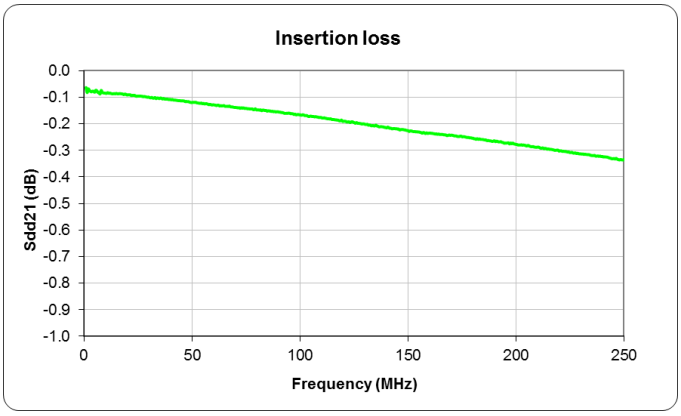


■ Insertion Loss

WCM2012F2SF-900T04-G



WCM2012F2SF-801-G

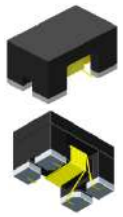


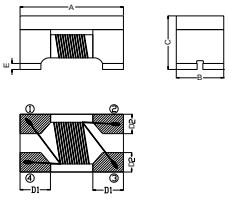
Wire Wound Common Mode Chokes

WCM 2012 Series-H

(0805 inch -40~+125℃)

■ Dimensions





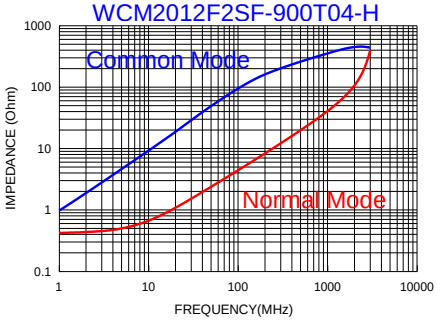
Dimensions	
A	2.00±0.20
B	1.20±0.20
C	1.20±0.20
D1	0.50±0.10
D2	0.51±0.10
E	0.15±0.10

Units: mm

■ Specifications

Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	Insertion Loss 1~500MHz	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc)max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
WCM2012F2SF-900T04-H	90±25%	100	-0.6dB typ. -0.8dB min.	0.30	400	50	125	10M

■ Impedance-Frequency Characteristics (Typical)



WCM 2012 Series-H

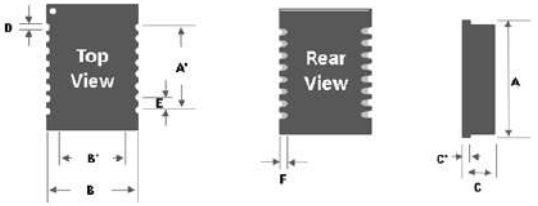
(0805 inch -40~+125℃)

■ Insertion Loss

LAN 12M162 P Series

(-40~+85℃)

■ Dimensions



Series	A	A'	B	B'	C	C'	D	E	F
LAN-12M162P7D8	12.7±0.25	8.89±0.25	8.67±0.25	7.2±0.25	4.0±0.25	0.8±0.05	0.6±0.1	1.27±0.25	1.00±0.25
LAN-12M162P7B0	12.7±0.25	8.89±0.25	8.67±0.25	7.2±0.25	4.0±0.25	0.8±0.05	0.6±0.1	1.27±0.25	1.00±0.25

Units: mm

■ Specifications

Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)				Cross talk (dB Min)	DCMR (dB Min)	
	1~100 MHz	1~30 MHz	40 MHz	50 MHz	60~80 MHz	1~100 MHz	1~60 MHz	60~100 MHz
LAN-12M162P7D8	-1.2	-18	-15.5	-13.5	-10	-38	-33	-26
LAN-12M162P7B0	-1.2	-18	-15.5	-13.5	-10	-38	-33	-26

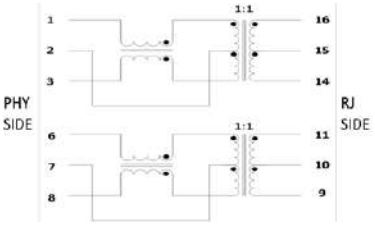
Note:
1. All test data referenced to 25℃ ambient
2. Hi-Pot resistance of 1500 VAC for 1 minute
3. Recommended the design modules be assembled on the second side.

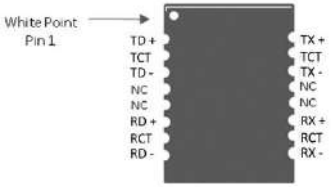
LAN 12M162 P Series

(-40~+85℃)

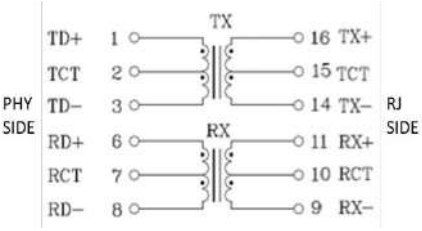
■ Schematic and Pin Define

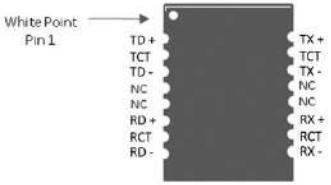
LAN-12M162P7D8





LAN-12M162P7B0

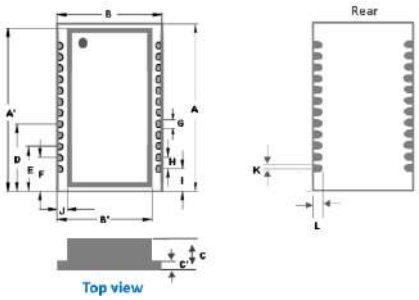




LAN 16G241P1A8

(-40~+85℃)

■ Dimensions



Series	A	A'	B	B'	C	C'	D	E	F	G	H	I	J	K	L
LAN-16G241P1A8	16.5	16.0	10.3	9.65	4.1	0.8	6.75	4.75	3.75	0.4	1.0	2.75	0.65	0.2	1.0

Units: mm

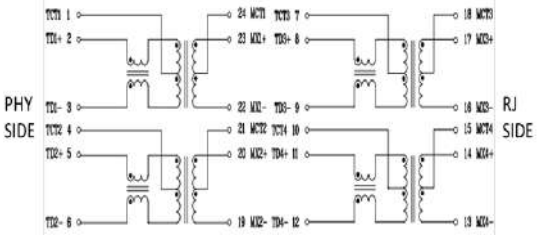
■ Specifications

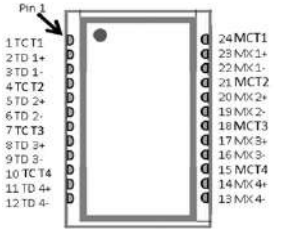
Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)					Cross talk (dB Min)	DCMR (dB Min)	
	1~100 MHz	1~30 MHz	40 MHz	50 MHz	60~80 MHz	100 MHz	1~100 MHz	1~60 MHz	60~100 MHz
LAN-16G241P1A8	-1.1	-18	-14.4	-13.1	-12	-10	-35	-35	-30

Note:
1. All test data referenced to 25℃ ambient
2. Hi-Pot resistance of 1500 VAC for 1 minute
3. Recommended the design modules be assembled on the second side

■ Schematic and Pin Define

LAN-16G241P1A8

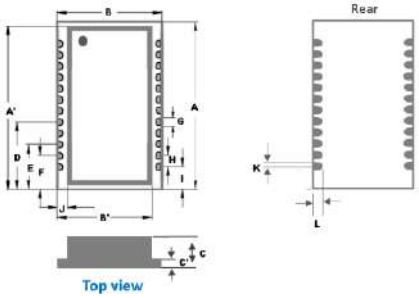




LAN 17G241P7C8

(-40~+85℃)

■ Dimensions



Series	A	A'	B	B'	C	C'	D	E	F	G	H	I	J	K	L
LAN-17G241P7C8	17.53	17.03	14.6	13.92	4.5	1.0	6.86	4.32	3.05	0.4	1.27	1.78	0.67	0.2	1.1

Units: mm

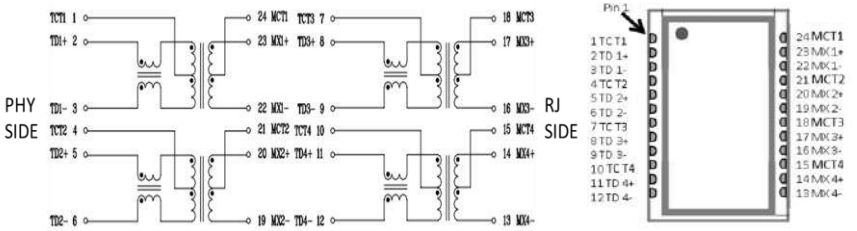
■ Specifications

Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)					Cross talk (dB Min)	DCMR (dB Min)	
	1~100 MHz	1~30 MHz	40 MHz	50 MHz	60~80 MHz	100 MHz	1~100 MHz	1~60 MHz	60~100 MHz
LAN-17G241P7C8	-1.1	-18	-14.4	-13.1	-12	-10	-35	-35	-30

Note:
1. All test data referenced to 25℃ ambient
2. Hi-Pot resistance of 1500 VAC for 1 minute
3. Recommended the design modules be assembled on the second side

■ Schematic and Pin Define

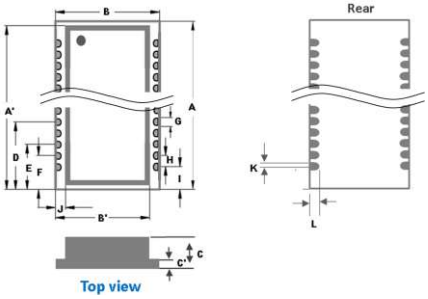
LAN-17G241P7C8



LAN 28G481P1A8

(-40~+85℃)

■ Dimensions



Series	A	A'	B	B'	C	C'	D	E	F	G	H	I	J	K	L
LAN-28G481P1A8	28.58	28.08	14.6	13.99	5.0	1.2	6.64	4.6	3.58	0.5	1.02	2.56	0.62	0.25	1.0

Units: mm

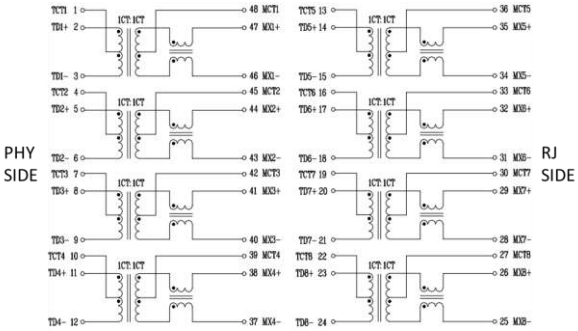
■ Specifications

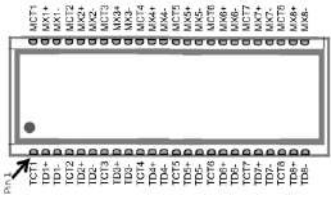
Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)					Cross talk (dB Min)	DCMR (dB Min)	
	1~100 MHz	1~30 MHz	40 MHz	50 MHz	60~80 MHz	100 MHz	1~100 MHz	1~60 MHz	60~100 MHz
LAN-28G481P1A8	-1.1	-18	-14.4	-13.1	-12	-10	-35	-35	-30

Note:
1. All test data referenced to 25℃ ambient
2. Hi-Pot resistance of 1500 VAC for 1 minute
3. Recommended the design modules be assembled on the second side

■ Schematic and Pin Define

LAN-28G481P1A8

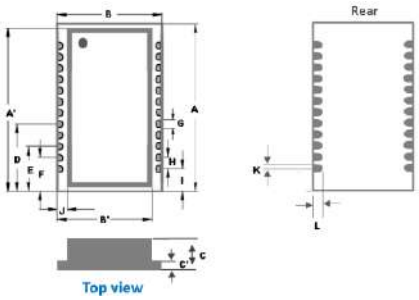




LAN 16E241L1A8

(-40~+85℃)

■ Dimensions



Series	A	A'	B	B'	C	C'	D	E	F	G	H	I	J	K	L
LAN-16E241L1A8	16.5	16.0	10.3	9.65	4.1	0.8	6.75	4.75	3.75	0.4	1.0	2.75	0.65	0.2	1.0

Units: mm

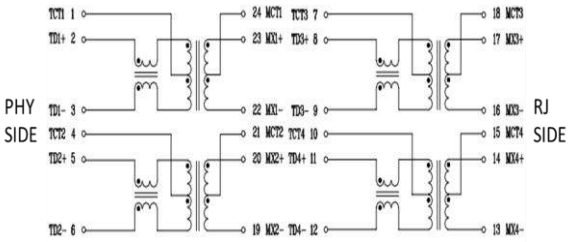
■ Specifications

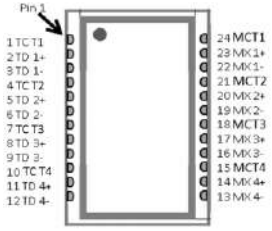
Part Number	OCL (uH Min) @100KHz/0.1V with 8mA DC Bias	Insertion Loss (dB Max)		Return Loss (dB Min)		Cross talk (dB Min)	DCMR (dB Min)	
		1~100 MHz	100<f≦ 250MHz	1≦f≦ 40MHz	40≦f≦ 250MHz	1≦f≦250MHz	1<f≦ 30MHz	30<f≦ 250MHz
LAN-16E241L1A8	120	-1.0	-2.0	-16	-(16-10log$_{10}$ (f/40))	-(43.1-20log$_{10}$(f/100))	-48	-(44-19.2log$_{10}$ (f/50))

Note:
1. All test data referenced to 25℃ ambient
2. Hi-Pot resistance of 1500 VAC for 1 minute
3. Recommended the design modules be assembled on the second side

■ Schematic and Pin Define

LAN-16E241L1A8

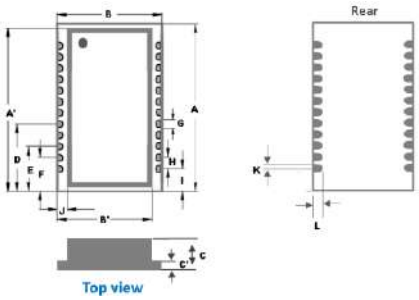




LAN 16J241L1A9

(-40~+85℃)

■ Dimensions



Series	A	A'	B	B'	C	C'	D	E	F	G	H	I	J	K	L
LAN-16J241L1A9	16.5	16.0	10.3	9.65	4.1	0.8	6.75	4.75	3.75	0.4	1.0	2.75	0.65	0.2	1.0

Units: mm

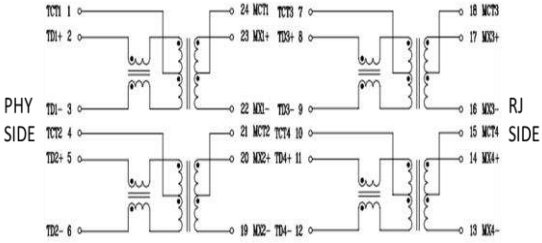
■ Specifications

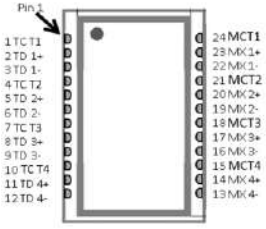
Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)		Cross talk (dB Min)	DCMR (dB Min)	
	1-500MHz	1≦f≦40MHz	40≦f≦250MHz	1~500MHz	1~250MHz	250~500MHz
LAN-16J241L1A9	-3.0	-16	$-(16-10\log_{10}(f/40))$	-30	-30	-22

Note:
1. All test data referenced to 25℃ ambient
2. Hi-Pot resistance of 1500 VAC for 1 minute
3. Recommended the design modules be assembled on the second side

■ Schematic and Pin Define

LAN-16J241L1A9

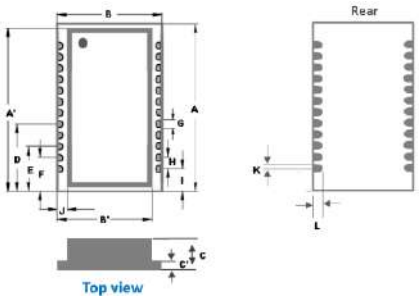




LAN 16J241Q1A9

(-40~+85℃)

■ Dimensions



Series	A	A'	B	B'	C	C'	D	E	F	G	H	I	J	K	L
LAN-16J241Q1A9	16.5	16.0	10.3	9.65	4.1	0.8	6.75	4.75	3.75	0.4	1.0	2.75	0.65	0.2	1.0

Units: mm

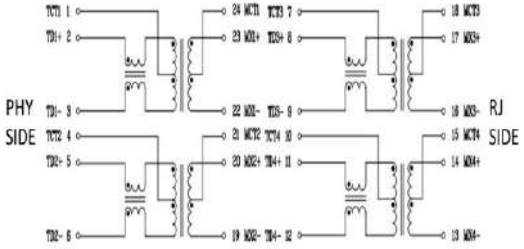
■ Specifications

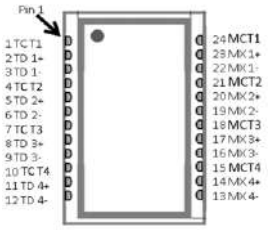
Part Number	OCL (uH Min) @100KHz/0.1V	Insertion Loss (dB Max)	Return Loss (dB Min)		Cross talk (dB Min)	DCMR (dB Min)	
		1-500MHz	1≦f≦40MHz	40≦f≦500MHz	1~500MHz	1~250MHz	250~500MHz
LAN-16J241Q1A9	120	-3.0	-16	$-(16-10\log_{10}(f/40))$	-30	-30	-22

Note:
1. All test data referenced to 25℃ ambient
2. Hi-Pot resistance of 1500 VAC for 1 minute
3. Recommended the design modules be assembled on the second side

■ Schematic and Pin Define

LAN-16J241Q1A9

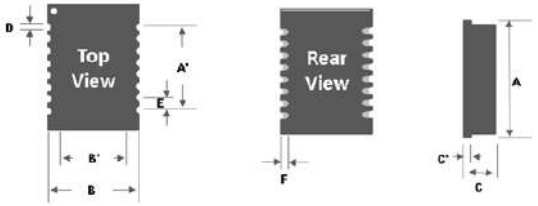




LAN 12M162L7A8

(-40~+85℃)

■ Dimensions



Series	A	A'	B	B'	C	C'	D	E	F
LAN-12M162L7A8	12.7±0.25	8.89±0.25	8.67±0.25	7.2±0.25	4.0±0.25	0.8±0.05	0.6±0.1	1.27±0.25	1.00±0.25

Units: mm

■ Specifications

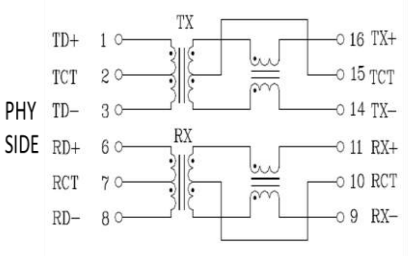
Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)				Cross talk (dB Min)	DCMR (dB Min)	
	1~100 MHz	1~30 MHz	40 MHz	50 MHz	60~80 MHz	1~100 MHz	1~60 MHz	60~100 MHz
LAN-12M162L7A8	-1.2	-18	-15.5	-13.5	-10	-38	-33	-26

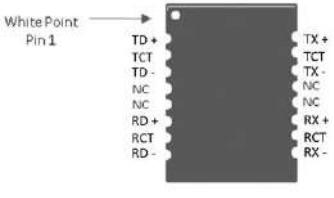
Note:

1. All test data referenced to 25℃ ambient
2. Hi-Pot resistance of 1500 VAC for 1 minute
3. Recommended the design modules be assembled on the second side.

■ Schematic and Pin Define

LAN-12M162L7A8

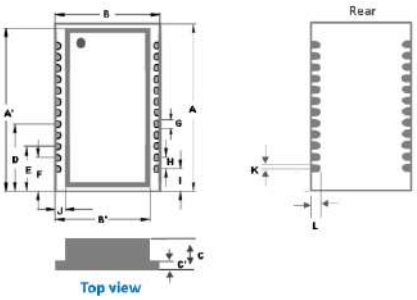




LAN 16G241L1A8

(-40~+85℃)

■ Dimensions



Series	A	A'	B	B'	C	C'	D	E	F	G	H	I	J	K	L
LAN-16G241L1A8	16.5	16.0	10.3	9.65	4.1	0.8	6.75	4.75	3.75	0.4	1.0	2.75	0.65	0.2	1.0

Units: mm

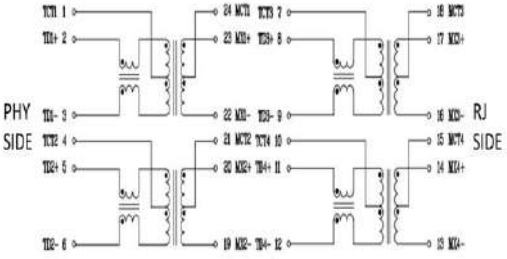
■ Specifications

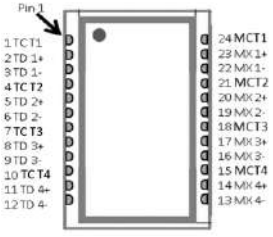
Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)					Cross talk (dB Min)	DCMR (dB Min)	
	1~100 MHz	1~30 MHz	40 MHz	50 MHz	60~80 MHz	100 MHz	1~100 MHz	1~60 MHz	60~100 MHz
LAN-16G241L1A8	-1.1	-18	-14.4	-13.1	-12	-10	-35	-35	-30

Note:
1. All test data referenced to 25℃ ambient
2. Recommended the design modules be assembled on the second side

■ Schematic and Pin Define

LAN-16G241L1A8

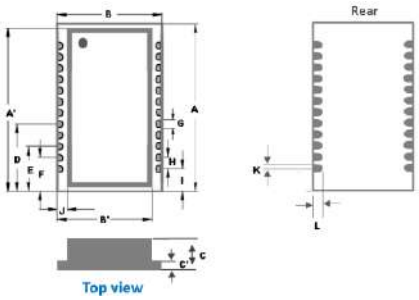




LAN 16E241Q1A9

(-40~+85℃)

■ Dimensions



Series	A	A'	B	B'	C	C'	D	E	F	G	H	I	J	K	L
LAN-16E241Q1A9	16.5	16.0	10.3	9.65	4.1	0.8	6.75	4.75	3.75	0.4	1.0	2.75	0.65	0.2	1.0

Units: mm

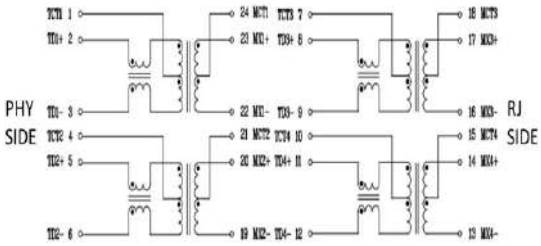
■ Specifications

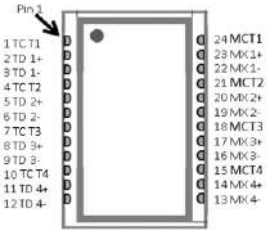
Part Number	OCL (uH Min) @100KHz/0.1V with 8mA DC Bias	Insertion Loss (dB Max)		Return Loss (dB Min)		Cross talk (dB Min)	DCMR (dB Min)	
		1~100 MHz	100<f≦ 250MHz	1≦f≦ 40MHz	40≦f≦ 250MHz	1≦f≦250MHz	1<f≦ 30MHz	30<f≦ 250MHz
LAN-16E241Q1A9	120	-1.0	-2.0	-16	$-(16-10\log_{10}(f/40))$	$-(43.1-20\log_{10}(f/100))$	-48	$-(44-19.2\log_{10}(f/50))$

Note:
1. All test data referenced to 25℃ ambient
2. Hi-Pot resistance of 1500 VAC for 1 minute
3. Recommended the design modules be assembled on the second side

■ Schematic and Pin Define

LAN-16E241Q1A9



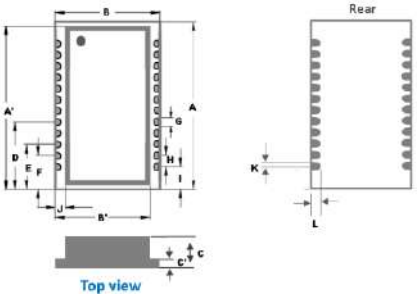


LAN Transformer Modules

LAP 16J241Q1A9

(-40~+85℃)

■ Dimensions



Series	A	A'	B	B'	C	C'	D	E	F	G	H	I	J	K	L
LAP-16J241Q1A9	16.5	16.0	10.3	9.65	4.1	0.8	6.75	4.75	3.75	0.4	1.0	2.75	0.65	0.2	1.0

Units: mm

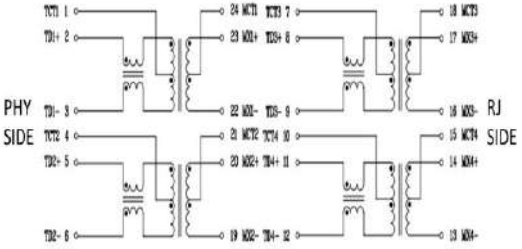
■ Specifications

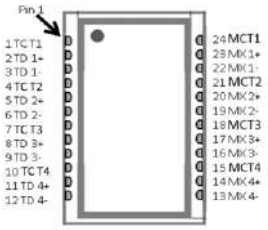
Part Number	OCL (uH Min) @100KHz/0.1V	Insertion Loss (dB Max)	Return Loss (dB Min)		Cross talk (dB Min)	DCMR (dB Min)	
		1-500MHz	1≦f≦40MHz	40≦f≦500MHz	1~500MHz	1~250MHz	250~500MHz
LAP-16J241Q1A9	120	-3.0	-16	-(16-10log$_{10}$(f/40))	-30	-30	-22

Note:
1. All test data referenced to 25℃ ambient
2. Hi-Pot resistance of 1500 VAC for 1 minute
3. Recommended the design modules be assembled on the second side

■ Schematic and Pin Define

LAP-16J241Q1A9

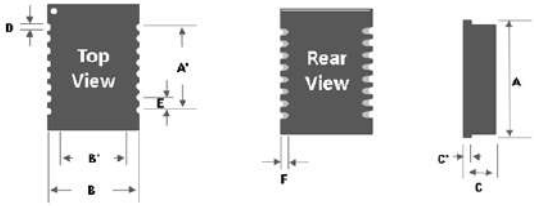




LAN 12M162 C Series

(-40~+85℃)

■ Dimensions



Series	A	A'	B	B'	C	C'	D	E	F
LAN-12M162C7A8	12.7±0.1	8.87±0.1	9.0±0.1	7.2±0.1	4.0±0.1	0.8±0.1	0.6±0.1	1.27±0.1	1.0±0.1
LAN-12M162C7A0	12.7±0.1	8.87±0.1	9.0±0.1	7.2±0.1	4.0±0.1	0.8±0.1	0.6±0.1	1.27±0.1	1.0±0.1

Units: mm

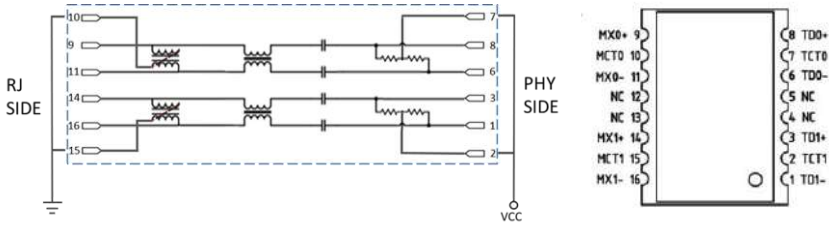
■ Specifications

Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)			DCMR (dB Min)		
	1~100MHz	30MHz	60MHz	100MHz	30MHz	60MHz	100MHz
LAN-12M162C7A8	-1	-20	-15	-10	-25	-25	-25
LAN-12M162C7A0	-1	-20	-15	-10	-25	-25	-25

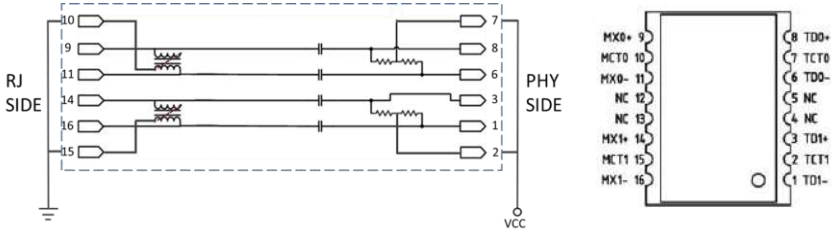
Note:
1. All test data referenced to 25℃ ambient
2. Recommended the design modules should be assembled on the second side.

■ Schematic and Pin Define

LAN-12M162C7A8



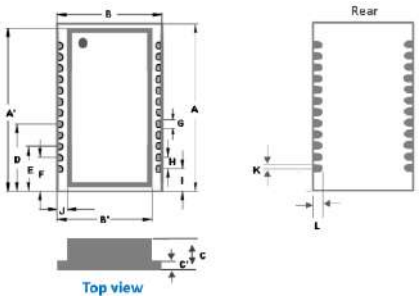
LAN-12M162C7A0



LAN 16G241C1A8

(-40~+85℃)

■ Dimensions



Series	A	A'	B	B'	C	C'	D	E	F	G	H	I	J	K	L
LAN-16G241C1A8	16.5	15.99	10.0	9.5	4.15	0.8	6.75	4.75	3.75	0.4	1.0	2.75	0.65	0.2	1.0

Units: mm

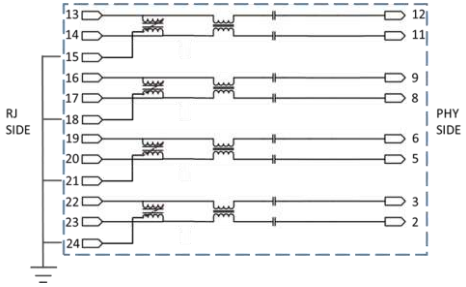
■ Specifications

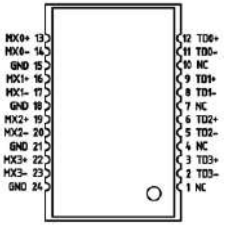
Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)			DCMR (dB Min)		
	1~100MHz	30MHz	60MHz	100MHz	30MHz	60MHz	100MHz
LAN-16G241C1A8	-1	-20	-15	-10	-25	-25	-25

Note:
1. All test data referenced to 25℃ ambient
2. Recommended the design modules should be assembled on the second side.

■ Schematic and Pin Define

LAN-16G241C1A8

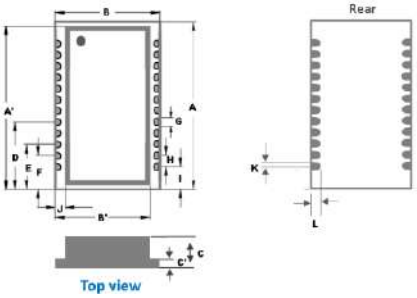




LAN 17G241C7A8

(-40~+85℃)

■ Dimensions



Series	A	A'	B	B'	C	C'	D	E	F	G	H	I	J	K	L
LAN-17G241C7A8	17.53	17.03	14.6	13.92	4.5	1.0	6.86	4.32	3.05	0.4	1.27	1.78	0.67	0.2	1.1

Units: mm

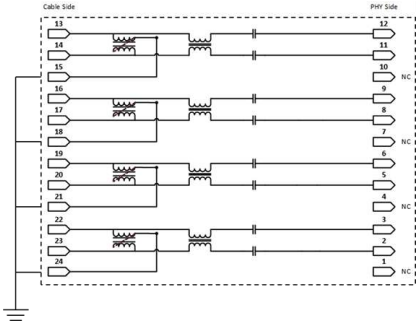
■ Specifications

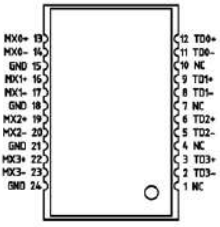
Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)			DCMR (dB Min)		
	1~100MHz	30MHz	60MHz	100MHz	30MHz	60MHz	100MHz
LAN-17G241C7A8	-1	-20	-15	-10	-25	-25	-25

Note:
1. All test data referenced to 25℃ ambient
2. Recommended the design modules should be assembled on the second side.

■ Schematic and Pin Define

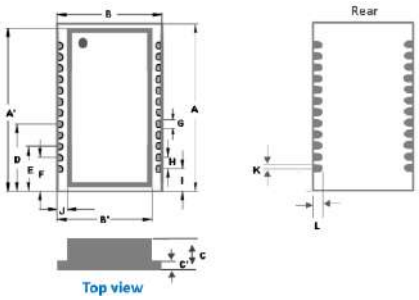
LAN-17G241C7A8





LAN 16E241C/F Series (-40~+85℃)

■ Dimensions



Series	A	A'	B	B'	C	C'	D	E	F	G	H	I	J	K	L
LAN-16E241C1A8	16.5	15.99	10.0	9.5	4.15	0.8	6.75	4.75	3.75	0.4	1.0	2.75	0.65	0.2	1.0
LAN-16E241F1A8	16.5	15.99	10.0	9.5	2.4	0.6	6.75	4.75	3.75	0.6	1.0	2.75	0.65	0.2	1.0

Units: mm

■ Specifications

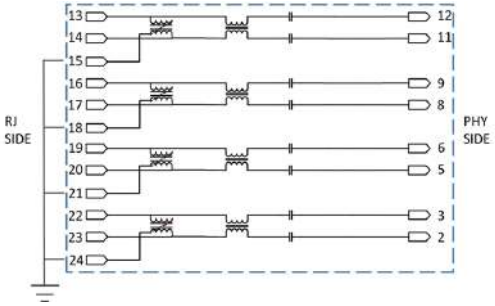
Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)			DCMR (dB Min)		
	1~100MHz	30MHz	60MHz	100MHz	30MHz	60MHz	100MHz
LAN-16E241C1A8	-1	-20	-15	-10	-25	-25	-25
LAN-16E241F1A8	-1	-20	-15	-10	-25	-25	-25

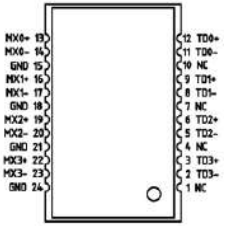
Note:
1. All test data referenced to 25℃ ambient
2. Recommended the design modules should be assembled on the second side.

LAN 16E241C/F Series (-40~+85℃)

■ Schematic and Pin Define

LAN-16E241C1A8





LAN-16E241F1A8