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- Detailed Specifications are available upon request.
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- 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



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Products

■EMI Suppression Filters : Beads,Common Mode Chokes.

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	150	19
			1608K,H,C	10 – 2000	150 – 700	150	21
			2012K,H	11 – 2000	250 – 900	150	24
			3216K	31 – 600	400 – 900	150	27
High Current Ferrite Chip Beads		HCB	1005P,K,M	10 – 220	1500 – 3000	150	29
			1608Z,K	26 – 600	1000 – 6000	150	31
			2012K	30 – 600	1000 – 3000	150	33
			3216K	30 – 600	1000 – 3000	150	35
			4516K	60 – 80	3000 – 6000	150	37
			4532K,M	80 – 1300	3000 – 6000	150	39
		HFZ	1005P	10 – 600	1000 – 4000	150	41
			1608P	30 – 1000	1500 – 5000	150	43
Ultra High Current Ferrite Beads		BPH	323023	40	21000	125	45
			403025	53	35000	125	46
			853025	100	30000	125	46
Ferrite Chip Bead Arrays		FCA-K	3216	30 – 1000	150 – 500	150	47
Common Mode Chokes		WCM	2012	67 – 1000	100 – 400	125	49
			3216	90 – 2200	200 – 400	125	52
			3225	90 – 1000	400 – 1000	125	55
			4532HI	90 – 2800	900 – 4000	125	57
			4532	80 – 800	1000 – 3000	125	60
			7060	70 – 1300	3000 – 15000	125	62
			9070	500 – 2700	3500 – 8000	125	64
			1211	500 – 1700	5500 – 11000	125	66
			1513	300 – 700	10000 – 14000	125	68
		HDMI	2012	67 – 90	300 – 400	125	70
		HSF	1210	15 – 90	200 – 400	125	72
		HSF-H	2012	30 – 120	300 – 400	125	75
		APOC	2012	200 – 390	300 – 500	125	77

Note: Operating Temperature

180: -55°C~+180°C, 150: -55°C~+150°C, 125: -55°C(-40°C)~+125°C, 105: -40°C~+105°C, 85: -40°C~+85

165: -55°C~+165°C, 155: -55°C~+155°C

Products

■ EMI Suppression Filters : Common Mode Chokes, Balun.

Description	Model	P/N	Package Size	Impedance/ Inductance Range (ohm)(uH)	Rated Current(mA)	*OP Temp.	Page
Common Mode Chokes		ACM	3225F	500 – 1000	1500 – 2000	85	78
			3225D	1000	800	150	79
			3225D-D	11 – 100 uH	150 – 300(CANFD)	150	80
			3225U-S	51 – 200 uH	70 – 200(CANFD)	125	82
			3225R-T	100 uH	100(OA1000)	125	84
			3225W-D	100 – 200 uH	70 – 150	125	85
			4532N-D	11 – 100 uH	200 – 360	150	86
			4532W-D	200 uH	100	125	88
			4532N-T	100 – 160 uH	100	125	89
		ACM	6545N-T	100 uH	350	125	90
			9152Z	100 – 1000	500 – 2000	105	91
		DCM	9152L	5 – 51uH	800 – 1200	105	93
			3216S	60uH	200	105	95
			3532S	75uH	200	125	96
Balun Filters		BCM	2012	-	-	125	97

■ Inductors : Chip Inductors ,Wire Wound Inductors.

Description	Model	P/N	Package Size	Impedance/ Inductance Range (ohm)(uH)	Rated Current(mA)	*OP Temp.	Page
Inductors for Power Over Coaxial		APO	201216N	0.47 – 2.00 uH	450 – 1000	125	100
			322523N	2.20 – 47uH	300 – 1000	150	101
			322523T	2.20 – 15uH	400 – 1100	150	102
			322530N	2.20 – 22uH	720 – 2200	150	103
			453225N	10 – 22	700 – 1000	125	104

Note: Operating Temperature

180: -55°C~+180°C, 150: -55°C~+150°C, 125: -55°C(-40°C)~+125°C, 105: -40°C~+105°C, 85: -40°C~+85°C

165: -55°C~+165°C, 155: -55°C~+155°C

Products

■Inductors : Chip Inductors ,Wire Wound 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	125	105
			1608	0.047 – 10.00	15 – 50	125	106
			201209/12	0.047 – 10.00	15 – 300	125	107
			3216	1.0 – 10.00	25 – 100	125	108
Wire Wound Inductors		SWF-LV	1608	0.047 – 10.00	270 – 1500	125	109
			1608 CV	0.047 – 10.00	180 – 1400	125	111
		SWF-CV/RIV	2012 CV	0.47 – 33.00	145 – 750	125	113
			2520 CV	1.00 – 33.00	236 – 1000	125	114
			3225 CV	1.00 – 680	76 – 1200	125	115
			1608 RIV	0.10 – 22.00	200 – 1700	125	116
			2012 RIV	0.10 – 22.00	240 – 1900	125	117
Wire Wound Inductors for High Frequency		SWI	0603	2.00 – 390(nH)	100 – 700	125	118
			0805U	2.80 – 1200(nH)	170 – 800	125	120
			1008	10 – 10000(nH)	170 – 1000	125	122
Transponder Inductors		PAS XY Type	4420	300 – 3500	20 – 70	125	124
			6420	5200 – 7200	15 – 30	125	125
			8027	4500 – 18520	20	125	126
			1225	100 – 7200	50 – 300	125	127

Note: Operating Temperature

180: -55°C~+180°C, 150: -55°C~+150°C, 125: -55°C(-40°C)~+125°C, 105: -40°C~+105°C, 85: -40°C~+85°C

165: -55°C~+165°C, 155: -55°C~+155°C

Products

■Inductors : Chip Inductors ,Sealed Type Wire Wound 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	-	125	128
			201210	0.47 – 4.70	0.70 – 1.20	-	125	129
			201610	0.47 – 4.70	0.90 – 1.60	-	125	130
		FCH	160808	1.00 – 4.70	1.00 – 1.70		125	131
Sealed Type Power Inductors		AHP	201610BMV	0.47 – 10.00	0.90 – 4.00	1.30 – 6.80	125	132
			201612BMV	0.47 – 4.70	1.50 – 4.30	2.10 – 7.20	125	133
			252010BMV	0.24 – 4.70	1.70 – 5.60	2.20 – 9.50	125	134
			252012BMV	0.24 – 10.00	1.20 – 6.30	1.40 – 10.00	125	135
			3012BMV	0.30 – 4.70	2.00 – 6.40	3.70 – 11.50	125	136
			3015BMV	0.47 – 10.00	1.60 – 5.80	2.70 – 12.00	125	137
			4020BMV	0.22 – 10.00	2.40 – 9.50	4.00 – 23.00	125	138
		HPC	201610BMV	0.24 – 22.00	0.50 – 5.20	0.38 – 4.10	125	139
			201612BMV	0.33 – 22.00	0.55 – 4.80	0.40 – 3.50	125	140
			252010BMV	0.47 – 22.00	0.62 – 3.00	0.52 – 3.30	125	141
			252012BMV	0.22 – 22.00	0.80 – 6.00	0.63 – 5.50	125	142
			3015BMV	0.24 – 100	0.40 – 5.00	0.33 – 6.00	125	143
			5020NV	1.00 – 47.00	0.50 – 4.10	0.40 – 5.00	125	144
			5040NV	0.60 – 100.00	0.72 – 8.00	0.75 – 11.00	125	145
			6020NV	1.00 – 22.00	1.10 – 4.50	1.10 – 6.20	125	146
			6028NV	1.00 – 470.00	0.32 – 5.20	0.32 – 5.75	125	147
			6045NV	0.36 – 5.60	3.70 – 9.00	5.70 – 18.00	125	148
			8040NV	0.50 – 470.00	0.58 – 12.00	0.55 – 17.00	125	150

Note: Operating Temperature

180: -55°C~+180°C, 150: -55°C~+150°C, 125: -55°C(-40°C)~+125°C, 105: -40°C~+105°C, 85: -40°C~+85°C

165: -55°C~+165°C, 155: -55°C~+155°C

Products

■Hi-Current Power Inductors

Description	Model	P/N	Package Size	Inductance Range(uH)	Irms (A)	Isat (A)	*OP Temp.	Page
Vertical and Coupled Inductors		THFD	5022SV	2.20	0.21 – 0.23	19.0 – 280.00	155	151
		TVMP	120611LNV	0.09 – 0.15	90.00	87.00 – 95.00	155	152
		TTMA	1094P4V	1.00 – 15.00	6.00 – 21.00	9.50 – 50.00	155	153
		TTMP	1004X4V	2.20 – 22.0	2.80 – 15.00	5.50 – 11.00	155	154
			1008N4V	10.00 – 47.00	3.60 – 6.50	6.30 – 12.50	155	156
Mini Molding Type High Current Power Inductor		TMIM	201610AV	0.24 – 2.20	2.30 – 6.50	2.65 – 7.70	150	157
			201612AV	0.22 – 2.20	2.50 – 7.00	2.70 – 8.00	150	158
			252010AV	0.22 – 2.20	2.80 – 7.20	3.00 – 7.70	150	159
			252012AV	0.24 – 4.70	2.00 – 7.30	2.80 – 7.80	150	160
			322512AV	0.22 – 4.70	2.20 – 9.50	2.80 – 9.30	150	161
			322520AV	0.33 – 1.50	5.30 – 8.50	6.00 – 11.00	150	162
Molding Type High Current Power Inductor High Irms.		TMPA	0603HTV	0.47 – 22.00	3.40 – 20.00	3.00 – 21.00	180	163
			1004HTV	1.00 – 68.00	3.50 – 27.00	3.50 – 29.00	180	164
			1265HTV	0.22 – 33.00	7.60 – 45.00	8.00 – 75.00	180	165
			0402SV	0.10 – 10.00	2.20 – 16.00	1.90 – 26.00	155	166
			0503SV	0.47 – 10.00	3.80 – 13.50	2.50 – 10.00	155	167
			0603SV	0.15 – 22.00	2.50 – 30.00	3.00 – 40.00	155	168
			0604SV	0.33 – 6.80	7.60 – 25.00	6.80 – 28.00	155	169
			0605SV	0.15 – 47.00	2.60 – 35.00	1.80 – 45.00	155	170
			1003SV	0.22 – 8.20	7.20 – 33.00	7.20 – 50.00	155	171
			1004SV	0.15 – 22.00	5.00 – 44.00	6.20 – 82.00	155	172
			1005SV	0.30 – 100.00	2.20 – 36.00	2.80 – 55.00	155	173
			1205SPV	0.22 – 150.00	2.70 – 36.00	3.20 – 55.00	155	174
			1206SPV	0.36 – 150.00	2.60 – 60.00	4.10 – 70.00	155	175
			1265SPV	0.22 – 100.00	5.00 – 53.00	5.00 – 112.00	155	176
			1707SPV	0.47 – 100.00	6.00 – 60.00	6.50 – 110.00	155	177
			2313SPV	1.50 – 100.00	11.00 – 62.00	9.00 – 52.00	155	178

Note: Operating Temperature

180: -55°C~+180°C, 150: -55°C~+150°C, 125: -55°C(-40°C)~+125°C, 105: -40°C~+105°C, 85: -40°C~+85°C

165: -55°C~+165°C, 155: -55°C~+155°C

Products

■Hi-Current Power Inductors

Description	Model	P/N	Package Size	Inductance Range(uH)	I _{rms} (A)	I _{sat} (A)	*OP Temp.	Page
Molding Type High Current Power Inductors		TMPC	0312HV	0.47 – 10.00	1.00 – 5.00	1.40 – 7.20	125	179
			0315HV	0.22 – 10.00	1.20 – 7.00	1.60 – 10.80	125	180
			0302HV	0.10 – 10.00	1.40 – 10.50	1.60 – 14.00	125	181
			0412HPV	0.10 – 10.00	1.30 – 11.50	1.40 – 25.00	125	182
			0415HPV	0.12 – 10.00	1.50 – 15.00	1.90 – 20.00	125	183
			0402HPV	0.33 – 22.00	1.20 – 10.00	1.40 – 18.00	125	184
			0512HPV	0.10 – 10.00	1.50 – 14.00	1.80 – 14.50	125	185
			0515HPV	0.20 – 22.00	1.20 – 15.00	1.70 – 22.50	125	186
			0518HPV	0.33 – 15.00	1.70 – 11.00	2.30 – 15.00	125	187
			0502HPV	0.10 – 22.00	1.50 – 18.00	1.80 – 45.00	125	188
			0503HPV	0.10 – 22.00	1.40 – 23.00	2.20 – 27.00	125	189
			0503HV	0.10 – 33.00	1.60 – 23.00	1.60 – 27.00	125	190
			053TV	0.10 – 4.70	4.50 – 20.00	5.00 – 34.00	125	191
			0612HV	0.22 – 10.00	1.80 – 11.00	2.50 – 19.00	125	192
			0615HV	0.22 – 22.00	1.50 – 14.00	2.50 – 22.00	125	193
			0618HV	0.22 – 10.00	2.30 – 16.00	3.50 – 26.00	125	194
			0602HV	0.10 – 22.00	1.50 – 21.00	2.50 – 40.00	125	195
			0624HV	0.22 – 10.00	3.20 – 21.00	5.00 – 34.00	125	196
			0603HV	0.10 – 10.00	3.50 – 32.50	6.00 – 60.00	125	197
			0604HV	0.15 – 15.00	3.00 – 30.00	4.00 – 55.00	125	199
			0605HV	0.33 – 22.00	2.50 – 25.00	5.50 – 32.00	125	200
			8040HPV	0.22 – 10.00	5.60 – 31.00	10.0 – 60.00	125	201
			1002HV	1.00 – 8.20	3.20 – 8.50	9.00 – 26.00	125	202
			1003HV	0.36 – 10.00	5.00 – 23.00	8.00 – 40.00	125	203
			1004HV	0.15 – 22.00	5.00 – 43.00	7.00 – 75.00	125	204
			1005HV	0.30 – 68.00	2.50 – 38.00	4.00 – 65.00	125	206
			120804HV	0.22 – 0.47	30.00 – 31.00	60.0 – 80.0	125	207
			1235HPV	1.00 – 10.00	7.50 – 24.00	14.00 – 40.00	125	208
			1205HPV	0.20 – 22.00	6.50 – 52.00	10.00 – 110	125	209
			1206HPV	1.00 – 47.00	5.50 – 29.00	11.00 – 53.00	125	210
			1265HPV	0.15 – 47.00	4.00 – 32.50	9.50 – 60.00	125	211
			1707HPV	1.00 – 100.00	5.30 – 52.00	6.50 – 60.00	125	213

Note: Operating Temperature

180: -55°C~+180°C, 150: -55°C~+150°C, 125: -55°C(-40°C)~+125°C, 105: -40°C~+105°C, 85: -40°C~+85°C

165: -55°C~+165°C, 155: -55°C~+155°C

Products

■Hi-Current Power Inductors

Description	Model	P/N	Package Size	Inductance Range(uH)	Irms (A)	Isat (A)	*OP Temp	Page
High Current Power Inductors Vibration Resistant		TMPV	0503SPV	0.68 – 15.00	2.50 – 12.00	2.20 – 11.70	165	214
			0504SPV	0.47 – 22.00	2.70 – 13.50	3.50 – 16.30	165	215
			0603SV	0.47 – 20.00	2.90 – 19.00	3.00 – 19.00	165	216
			0754SV	1.50 – 100.00	2.20 – 17.00	2.00 – 19.00	165	217
			1004SV	0.47 – 47.00	3.60 – 34.00	4.00 – 31.00	165	218
			1054SV	0.68 – 68.00	3.50 – 32.00	4.80 – 46.00	165	219
			1265SPV	0.68 – 47.00	5.20 – 36.50	6.00 – 36.50	165	220
Molding Type High Current Power Inductors Low Rdc.		TMPF	0402LRV-ABD	0.47 – 3.30	5.50 – 13.20	5.30 – 14.00	155	221
			0402AV-ABD	0.10 – 1.80	7.00 – 18.00	7.50 – 38.00	155	222
			0403LRV-ABD	0.90 – 3.30	6.60 – 11.20	6.20 – 10.00	155	223
			0502AV-ABD	0.15 – 1.50	8.80 – 18.80	13.30 – 30.00	155	224
			0503AV-ABD	0.15 – 4.70	5.90 – 22.20	8.20 – 36.00	155	225
			0505LRV-ABD	4.70 – 8.20	6.10 – 8.10	7.20 – 8.80	155	226
			0603AV-ABD	0.18 – 4.70	6.00 – 32.00	9.00 – 40.00	155	227
			0604AV-ABD	0.47 – 5.60	6.70 – 24.00	9.80 – 31.00	155	228
			0605AV-ABD	0.82 – 4.70	8.50 – 21.00	10.50 – 24.00	155	229
			0606LRV-ABD	4.70 – 8.20	8.00 – 11.00	8.50 – 10.50	155	230
			0702AV-ABD	0.33 – 1.80	8.00 – 19.00	15.00 – 34.00	155	231
			0703AV-ABD	1.00 – 8.20	5.90 – 21.80	10.20 – 30.00	155	232
			0705AV-ABD	2.20 – 5.60	10.00 – 14.00	13.00 – 21.00	155	233
			0707AV-ABD	2.20 – 6.80	9.50 – 17.80	12.80 – 19.60	155	234
			0808AV-ABD	1.80 – 10.00	8.70 – 24.00	11.00 – 28.00	155	235
			1006AV-ABD	0.68 – 10.00	9.00 – 34.00	15.00 – 55.00	155	236
			1010AV-ABD	2.20 – 15.00	13.80 – 32.00	15.50 – 34.00	155	237
			1508AV-ABD	0.40 – 22.00	12.00 – 60.00	19.00 – 111.00	155	238
			1510AV-ABD	4.70 – 22.00	16.00 – 30.00	20.00 – 43.00	155	239
			1513AV-ABD	4.70 – 33.00	14.00 – 31.00	19.00 – 44.00	155	240
Molding Twin Inductors		TBMA	1004P4V	0.43 – 22.00	4.50 – 34.00	4.00 – 27.00	155	241

Note: Operating Temperature

180: -55°C~+180°C, 150: -55°C~+150°C, 125: -55°C(-40°C)~+125°C, 105: -40°C~+105°C, 85: -40°C~+85°C

165: -55°C~+165°C, 155: -55°C~+155°C

Application Guide:

Automotive Electronic System and Sub-System.

System	Sub-System	TAI-TECH Products	System	Sub-System	TAI-TECH Products	System	Sub-System	TAI-TECH Products	
EV/HEV	Plug-in Battery Charger	ACM3225	Sensor System	TPMS(Wheel Module)	PAS	Car Multi-media System	Gateway-ECU	ACM3225	
	Inverter&Boost Converter	ACM3225		View Camera(PoC Camera control)	HCB1608		Cluster(Meter)	TMPA1004	
		FCM1608			ACM3225			ACM3225	
	DC/DC Converter	ACM3225		View Camera-ECU(PoC Camera control)	TMPA0603		IVI / Navigation system Block diagram	FCM	
	Battery Management System	ACM3225			HCB1608			ACM3225	
		FCM1608		TMPA0603				CPI201610	
ECU/ECM	Start-Stop System	ACM3225	ADAS	Front Sensing Camera	ACM3225		Telematics(TUC)	ACM3225	
	ESP	ACM3225			WCM2012			Telematics(Cellular Modules Block diagram)	HPC
		TMPA1265			ACM4532				FCM
	ECM-ECU	ACM3225			FCM1608				Telematics(DSRC (5.9GHz)Block Diagram)
	PEPS system	FCM		Millimeter-Wave Radar(Long Range)	TMPA0603		CPI		
		BPH			ACM3225		CPI		
	PEPS -ECU	TMPF		Millimeter-Wave Radar(Short Range)	TMPA0603		Telematics (Bluetooth,Wireless LAN Block Diagram)	HPC	
	DC Motors	TMPA1004			ACM3225			FCM	
	ECU(BCM)	ACM3225		CPI201610	HCB				
	ABS	ACM3225		HID Lamp	TMPA	FCM			
					TMPV	HCB			
	Air-Bag ECU/Draft	ACM3225		LED Lamp	TMPA				
					TMPV	CPI			



AEC-Q200



Application Guide:

AEC-Q200 Temperature Grade.

Series Item		Grade 3 (-40~85°C)	Grade 2 (-40~105°C)	Grade 1 (-40~125°C)	Grade 0 (-50~150-165°C)	Higher (-55~180°C)
EMI Suppression Filters	Ferrite Chip Beads				FCM(1005-3216)	
					HCB(1005-4532)	
					FCA(3216)	
					BPH(3230-8530)	
	Common Mode Chokes	ACM(3225)		HSF(1210)	ACM(3225-4532)	
				WCM(2012-4532)		
				APOC(2012)		
				HDMI(2012)		
				ACM(3225-6545)		
	Balun			BCM(2012)		
Chip Coils Inductors	Inductors for General Use		DCM(3216-3532)	FCI(1005-3216)	APO(2012-4532)	
				CPI(1608-2016)		
				FCH(1608)		
				SWF(1608-3225)		
	High Freq.			SWI(0603-1008)		
	Low Frequency Antenna			PAS(4420-1225)		
Power Inductors	Power Inductors			AHP(201610-4020)	TVMP(1206)	
				HPC(201610-5010)	TTMA(1094)	
				TMPC(3012-1707)	TTMP(1004-1008)	
					TMIM(2016-3225)	
					TPMA(0503-2313)	
					TMPV(0503-1265)	
					TMPF(0402-1513)	TPMA(0603-1265)



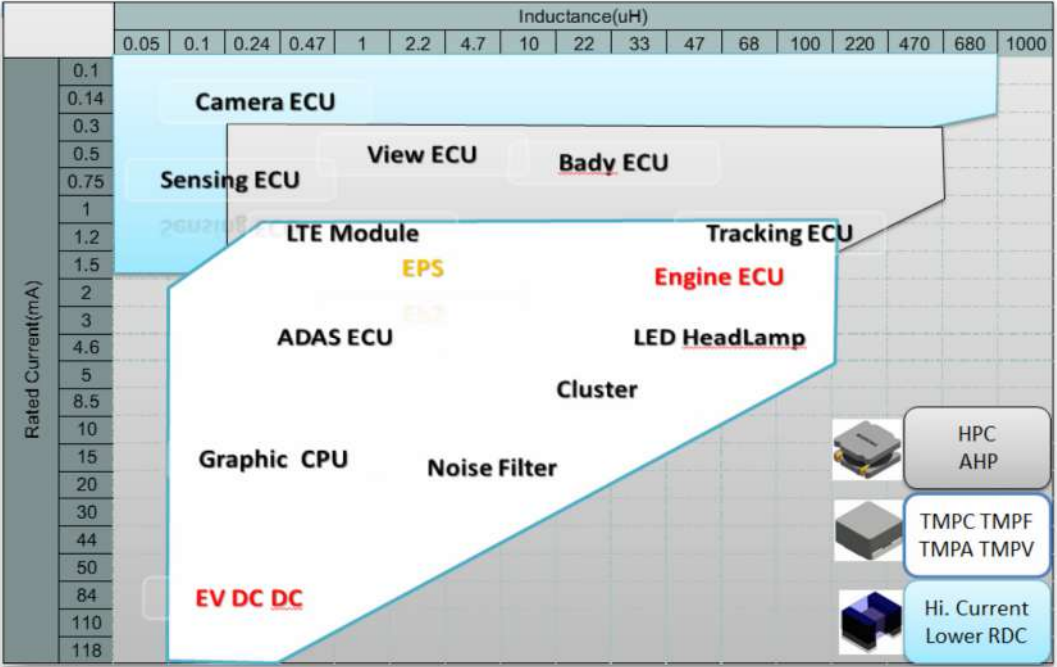
AEC-Q200



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Power Inductor Application Guide for Automotive Application.



AEC-Q200



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	-	-	-
1.00	FCI1608/FCI2012	SWF1608LV	-	-
1.20	FCI2012	SWF1608CV	-	SWI0603
1.50	FCI3216	SWF2012CV	-	SWI0805
2.20	-	SWF2520CV	-	SWI1008
2.50	-	SWF3225CV	-	-

Power Inductors / Chokes

Thickness (mm)	Irms 2.0Amax.	Irms 3.0Amax.	Irms 5.0Amax.	Irms 7.0Amax.	Irms 10.0Amax.
1.00	FCH/CPI160809/2012 CPI2016/2520	HPC2016/2520	AHP/2016/2520	-	-
1.20	-	-	HPC2016/2520	AHP2520/3012	-
1.50	-	HPC3015	-	AHP3015	-
1.80	-	-	-	-	-
2.00	-	-	HPC5020/6020	AHP4020	-

Hi-Current Power Inductors

Thickness (mm)	Irms 6.0Amax.	Irms 10.0Amax.	Irms 20.0Amax.	Irms 30.0A	Irms Over 30.0A
1.00	-	TMIM2016/3225	-	-	-
1.20	TMPC03	TMIM2016/3225	TMPC04/05/06	-	-
1.50	-	TMPC03	TMPC04/05/06	-	-
1.80	-	-	TMPC05/06	-	-
2.00	-	TMPC03/10 TMPC04 TMIM3225	TMPC04/05 TMPC04/05/07	TMPC0602	-
2.40	-	-	-	TMPC0624	-
3.00	-	TMPC0503	TMPC0403	TMPC0503/1003 TMPC0603 TMPC0503/0603/0703	TMPC0603 TMPC0603 TMPC1003
3.50	-	-	-	TMPC1235	-
4.00	-	-	-	TMPC0604/1004 TMPC0604	TMPC0604/8040/1004 TMPC1004
Up to 5.00	-	-	TMPC0705/0707	TMPC0605/1206 TMPC0605/0808	TMPC1005/1205/1265 TMPC1707 TMPC0605/1004/1005 TMPC1205/1206/1265 TMPC1707/2313 TMPC1006/1010/1508 TMPC1510/1513

Cross Reference

Inductors / Common Mode Filters for Power Over Coaxial

TAI-TECH	muRata	TDK	Coil Craft	Page
APO2012	LQW21TF			100
APO3225	LQW32FT	ADL3225VM	1210POC	101
APO4532	LQW43FT			104
APOC2012	DLW21PH/SH			77

Ferrite Chip Beads

TAI-TECH	muRata	TDK	TAIO YUDEN	Page
FCM1005	BLM15	MMZ1005	BK1005	19
FCM1608	BLM18	MMZ1608	BK1608	21
FCM2012	BLM21	MMZ2012	BK2125	24
HCB1005	BLM15KG/PX	MPZ1005	BKP1005	29
HCB1608	BLM18KG	MPZ1608	BKP1608	31
HCB2012	BLM21PG	MPZ2012	BKP2125	33
HCB3216	BLM31PG		FBMH3216	35
HCB4516	BLM41PG		FBMH4516	37
HCB4532			FBMH4532	39
HFZ1005	BLM15PX	MPZ1005		41
HFZ1608	BLM18KG	MPZ1008		43
FCA3216	BLA31		BK3216-4	47

Common Mode Chokes

TAI-TECH	muRata	TDK	TAIO YUDEN	Page
WCM2012	DLW21H/S	ACM2012		49
WCM3216	DLW31			52
WCM3225				55
WCM4532HI		ACM4520		57
WCM7060		ACM7060		62
WCM9070	1259CM	ACM90V	1259CM	64
WCM1211		ACM12V		66
WCM1513		ACM1513		68
HDMI2012	DLW21	ACM2012H		70
HSF1210			CM01	72
HSF2012-H	DLW21	ACM2012H		75
ACM3225	DLW32SH/MH	ACT1210(D/G/L/P)		78
ACM4532	DLW43	ACT45(B, L)		86
ACM6545				90
DCM3216				95
DCM3532				96
BCM2012	DXW21	ATB2012		97

Cross Reference

Chip Coils / Inductors

TAI-TECH	muRata	TDK	TAIO YUDEN	CoilCraft	Page
FCI1005	LQM18N	MLF1005	LK1005		105
FCI1608		MLF1608	LK1608		106
FCI2012	LQM21N	MLF2012	LK2125		107
FCI3216					108
SWF1608LV				0603LS	109
SWF3225CV		NLV32			115
SWI0603V	LQW18AN			0603CS	118
SWI0805UV	LQW2BAS			0805CS	120
SWI1008UV	LQW2UAS			1008CS	122
PAS4420					124
PAS6420					125
PAS1225				TPL1183525	127

Multilayer Type Power Inductors

TAI-TECH	muRata	TDK	TAIO YUDEN	FDK	Page
CPI160809	LQM18P	MLP1608	CKP1608D		128
CPI201210	LQM21P	MLP2012	CKP2012	MIPSZ2012D	129
CPI201610	LQM2MP	MLP2016	CKP2016	MIPF2016D	130

Sealed Type Power Inductors

TAI-TECH	TAIYOYUDEN	TDK	SUNLORD	Cyntec	Page
HPC3015	NRH3015	VLS3015	SWPA/SHP3015	PST031E	143
HPC5020	NRH5020	VSL5020	SWPA/SHP5020	PST052T	144
HPC5040	NRH5040	VSL5040	SWPA/SHP5040	PST054T	145
HPC6020	NRH6020	VSL6020	SWPA/SHP6020	PST062T	146
HPC6028	NRH6028	VSL6028	SWPA/SHP6028	PST062H	147
HPC6045	NRH6045	VSL6045	SWPA/SHP6045	PST064E	148
HPC8040	NRH8040	VSL8040	SWPA/SHP8040	PST084T	150

Ultra High Current Power Inductors

TAI-TECH	muRata	Taiyo	TDK	SUNLORD	Page
AHP201610		MEKK2016T	VSL201610	WPN201610	132
AHP201612			VSL201612	WPN201612	133
AHP252010			VLS252010	WPN252010	134
AHP252012	1239-AS		VLS252012	WPN201610	135
AHP3012			VLS3012	WPN201610	136
AHP3015			VLS3015	WPN201610	137
AHP4020			VLS4020	WPN201610	138



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Cross Reference

Ultra High Current Power Inductors					
TAI-TECH	VISHAY	Coil Craft	TOKO	Cyntec	Page
TVMP120611LNV	IHVR-4024KE-51				152
TTMA1094P4V				VAMV1009AA	153
TTMP1004X4V	IHCL-4040dz-5A				154
TTMP1008N4V				VCSC108T	156
TMIM201610AV				VCTA/VCUW20161T	157
TMIM201612AV				VCTA/VCUW20161B	158
TMIM252010AV				VCTA/VCUW25201T	159
TMIM252012AV				VCTA/VCUW25201B	160
TMIM322512AV				VCTA/VCUW32251B	161
TMIM322520AV				VCTA/VCUW32252T	162
TMPA0402SV	IHLP-1616BZ			PCMB402T	166
TMPA0503SV	IHLP-2020CZ			PCMB503T	167
TMPA0603SV	IHLP-2525CZ			PCMB603T	168
TMPA1004SV	IHLP-4040DZ			PCMB104T	172
TMPA2313SPV	IHLP-8787MZ				178
TMPF0402LRV		XFL4020			221
TMPF0402AV		XAL4020			222
TMPF0502AV		XAL5020			224
TMPF0503AV		XAL5030			225
TMPF0603AV		XAL6030			227
TMPF0605AV					229
TMPF0703AV		XAL7030			232
THFD5022SV	IHXL-2000VZ				151

Ultra High Current Power Inductors					
TAI-TECH	VISHAY	TDK	TOKO	Cyntec	Page
TMPC0312HV	IHLP-1212AB-5A	SPM3012	FDSD0312	PCMC/PIME031B	179
TMPC0302HV	IHLP-1212BZ-5A			PCMC/PIMB032T	181
TMPC0412HPV	IHLP-1616AB -5A	SPM4012	FDSD0412	PCMC/PIMB041B	182
TMPC0402HPV	IHLP-1616BZ-5A		FDSD0420	PCMC/PIMB042T	184
TMPC0512HPV	IHLP-2020AB-5A	SPM5012	FDSD0512	PCMC/PIMB051B	185
TMPC0515HPV	IHLP-2020AE-5A		FDSD0515	PCMC/PIME051E	186
TMPC0518HPV	IHLP-2020AH -5A		FDSD0518	PCMC/PIMB051H	187
TMPC0612HV	IHLP-2525AB-5A			PCMC/PIME061B	192
TMPC0615HV	IHLP-2525AE-5A			PCMC/PIME061E	193
TMPC0618HV	IHLP-2525AH-5A		FDV0618	PCMC/PIMB061H	194
TMPC0602HV	IHLP-2525BZ-5A		FDV0620	PCMC/PIMB062T	195
TMPC0624HV	IHLP-2525BD-5A			PCMC/PIMB062D	196
TMPC0603HV	IHLP-2525CZ-5A	SPM6530	FDV0630	PCMC/PIMB063T	197
TMPC0604HV	IHLP-2525DZ-5A		FDV0640	PCMC/PIMB064T	199
TMPC0605HV	IHLP-2525EZ-5A		FDV0650	PCMC/PIMB065T	200
TMPC1004HV	IHLP-4040DZ-5A		FDV1040	PCMC/PIMB104T	204
TMPC1005HV	IHLP-4040EZ-5A			PCMC/PIMB104E	206
TMPC1235HPV	IHLP-5050CE-5A			PCMC/PIMB133E	208
TMPC1205HPV	IHLP-5050EZ-5A		FDU1250	PCMC/PIMB135T	209
TMPC1206HPV	IHLP-5050FZ-5A		FDU1260	PCMC/PIMB136T	210
TMPC1265HPV	IHLP-5050FD-5A			PCMC/PIMB136E	211
TMPC1707HPV	IHLP-6767GZ-5A			PCMC/PIMB177T	213



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Part Numbering

■ Ferrite Chip Beads / Array

FCM
1608
KV
-
121
T
06

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	Material 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 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 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 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	Ferrite Material For Multilayer Inductor
UV	
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 Series Name

Code	
TMPC	Molding Type Hi-Current Power Inductor
TMPA	
TMPP	
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

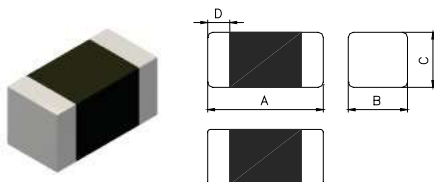
Code	Inductance
R47	0.47uH
1R0	1.0uH
100	10uH
101	100uH

5 Inductance Tolerance

Code	Inductance Tolerance
M	±20%
Y	±30%

6 Control No.

■ Dimensions



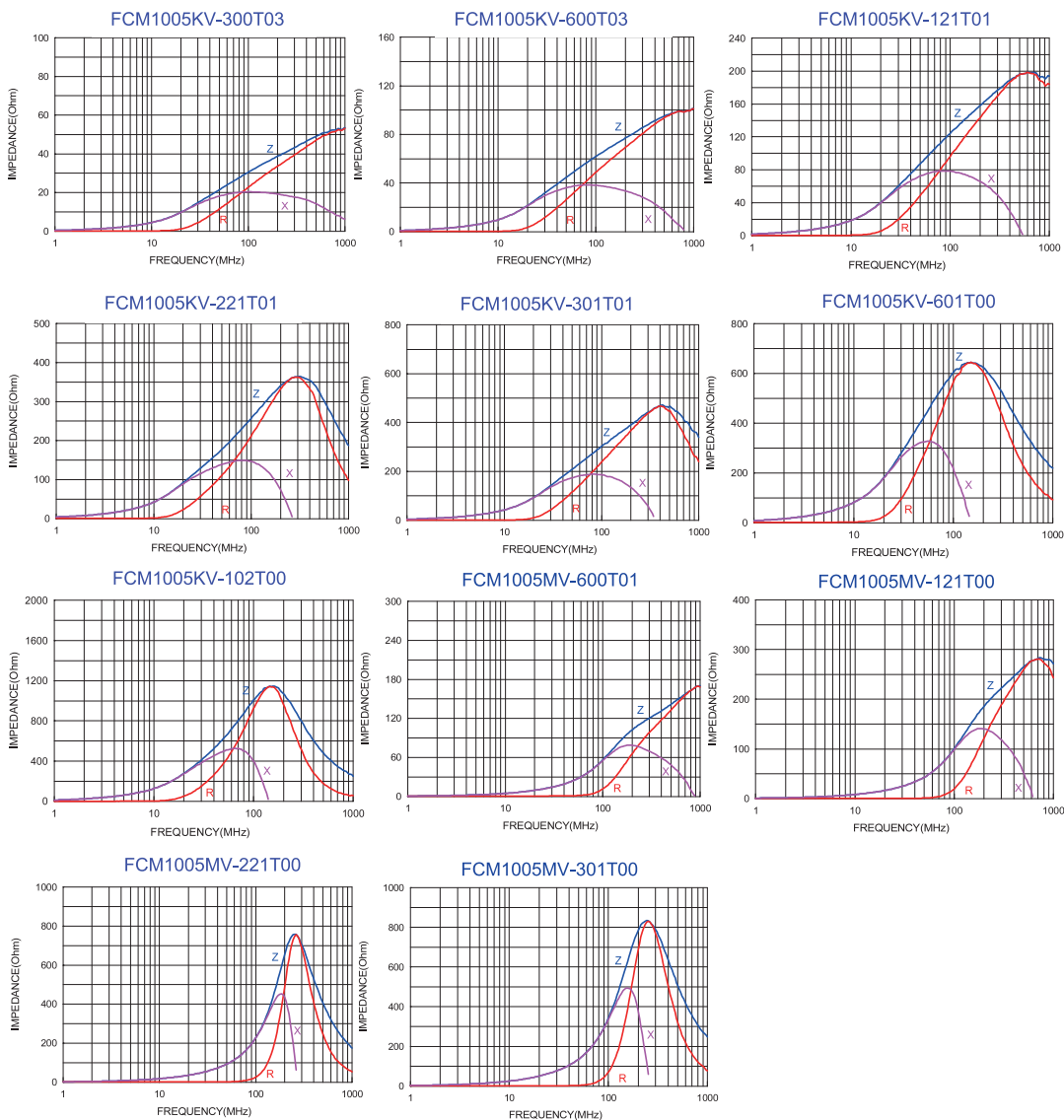
Dimensions	
A	1.00±0.10
B	0.50±0.10
C	0.50±0.10
D	0.25±0.10

Units: mm

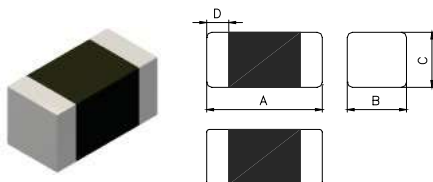
■ Specifications

Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
FCM1005KV-300T03	30±25%	100	0.20	300
FCM1005KV-600T03	60±25%	100	0.25	300
FCM1005KV-121T01	120±25%	100	0.30	100
FCM1005KV-221T01	220±25%	100	0.40	100
FCM1005KV-301T01	300±25%	100	0.50	100
FCM1005KV-601T00	600±25%	100	0.80	80
FCM1005KV-102T00	1000±25%	100	1.20	50
FCM1005MV-600T01	60±25%	100	0.30	100
FCM1005MV-121T00	120±25%	100	0.45	80
FCM1005MV-221T00	220±25%	100	0.60	50
FCM1005MV-301T00	300±25%	100	0.75	50

■ Impedance-Frequency Characteristics (Typical)



■ Dimensions



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

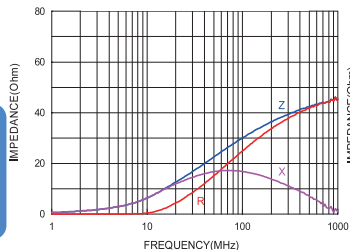
Units: mm

■ Specifications

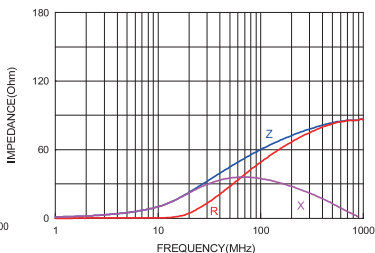
Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
FCM1608KV-300T07	30±25%	100	0.20	700
FCM1608KV-600T07	60±25%	100	0.20	700
FCM1608KV-121T06	120±25%	100	0.25	600
FCM1608KV-151T06	150±25%	100	0.25	600
FCM1608KV-221T05	220±25%	100	0.30	550
FCM1608KV-301T05	300±25%	100	0.35	500
FCM1608KV-471T03	470±25%	100	0.45	350
FCM1608KV-601T03	600±25%	100	0.50	350
FCM1608KV-102T02	1000±25%	100	0.70	200
FCM1608HV-152T02	1500±25%	100	1.00	200
FCM1608HV-202T01	2000±25%	100	1.20	150
FCM1608CV-100T07	10±25%	100	0.20	700
FCM1608CV-300T06	30±25%	100	0.25	600
FCM1608CV-600T06	60±25%	100	0.30	600
FCM1608CV-121T03	120±25%	100	0.40	300
FCM1608CV-221T02	220±25%	100	0.60	250
FCM1608CV-301T02	300±25%	100	0.80	200

■ Impedance-Frequency Characteristics (Typical)

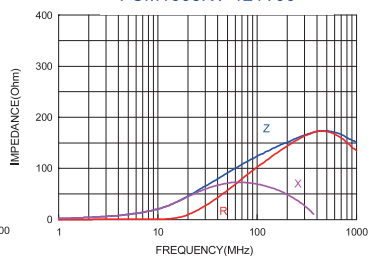
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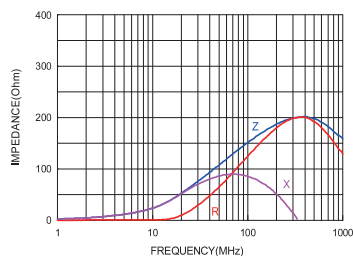
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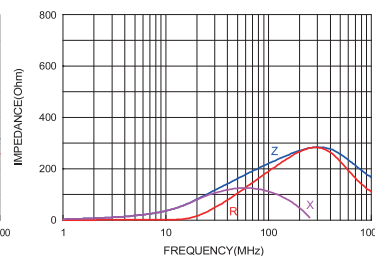
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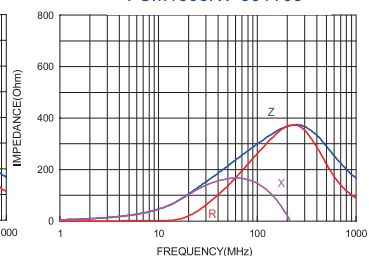
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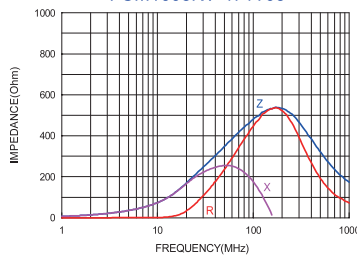
FCM1608KV-221T05



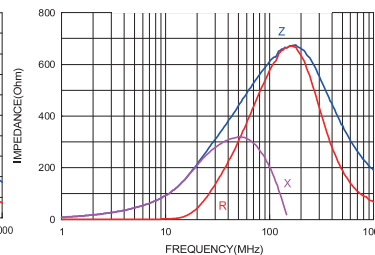
FCM1608KV-301T05



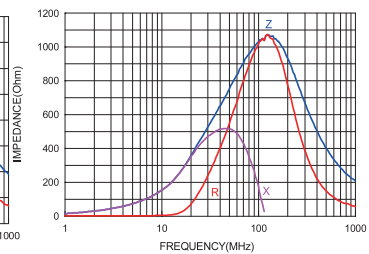
FCM1608KV-471T03



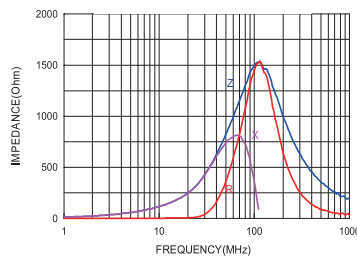
FCM1608KV-601T03



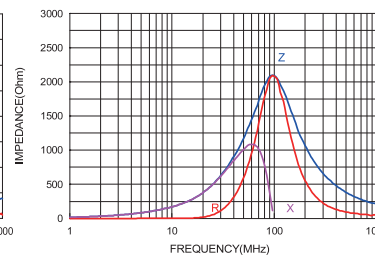
FCM1608KV-102T02



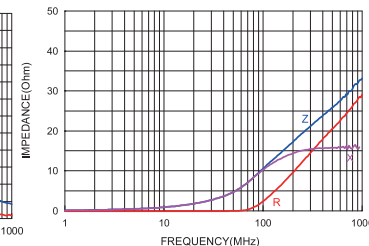
FCM1608HV-152T02



FCM1608HV-202T01

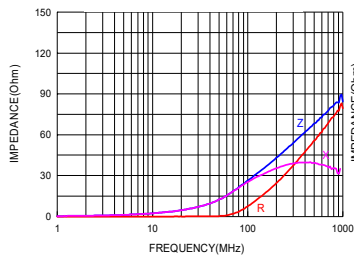


FCM1608CV-100T07

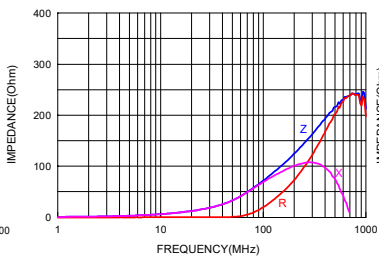


■ Impedance-Frequency Characteristics (Typical)

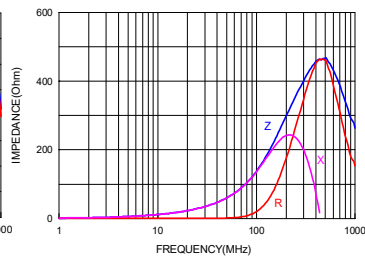
FCM1608CV-300T06



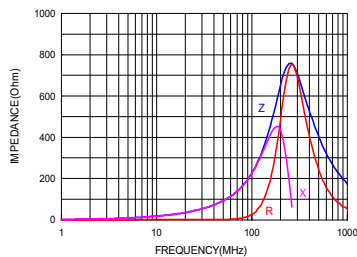
FCM1608CV-600T06



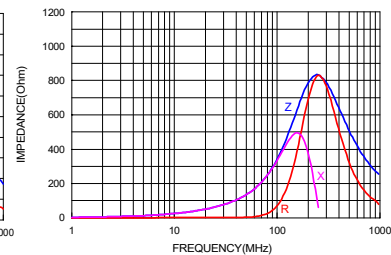
FCM1608CV-121T03



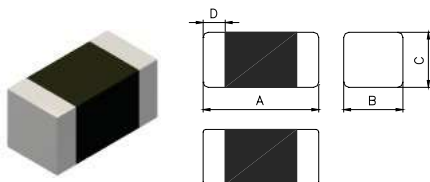
FCM1608CV-221T02



FCM1608CV-301T02



■ Dimensions



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

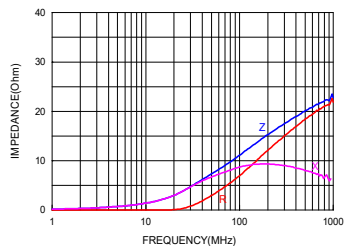
Units: mm

■ Specifications

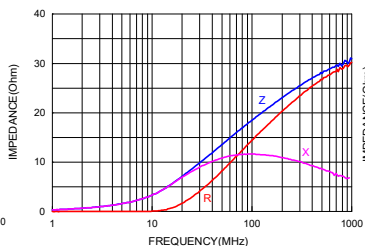
Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
FCM2012KV-110T09	11±25%	100	0.10	900
FCM2012KV-170T06	17±25%	100	0.10	600
FCM2012KV-260T06	26±25%	100	0.10	600
FCM2012KV-300T06	30±25%	100	0.10	600
FCM2012KV-400T06	40±25%	100	0.10	600
FCM2012KV-600T09	60±25%	100	0.10	900
FCM2012KV-121T08	120±25%	100	0.20	800
FCM2012KV-151T08	150±25%	100	0.20	800
FCM2012KV-221T07	220±25%	100	0.30	750
FCM2012KV-301T07	300±25%	100	0.30	700
FCM2012KV-601T05	600±25%	100	0.40	500
FCM2012KV-102T04	1000±25%	100	0.45	400
FCM2012HV-102T04	1000±25%	100	0.45	400
FCM2012HV-152T03	1500±25%	100	0.50	350
FCM2012HV-202T02	2000±25%	100	0.60	250

■ Impedance-Frequency Characteristics (Typical)

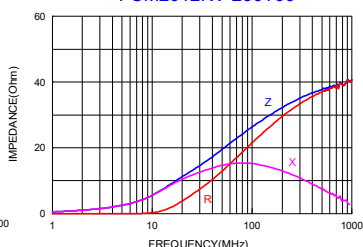
FCM2012KV-110T09



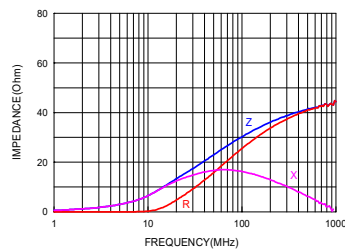
FCM2012KV-170T06



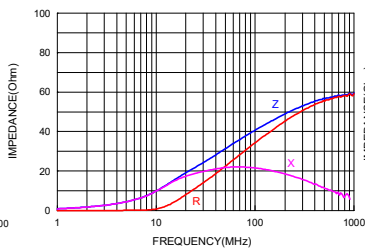
FCM2012KV-260T06



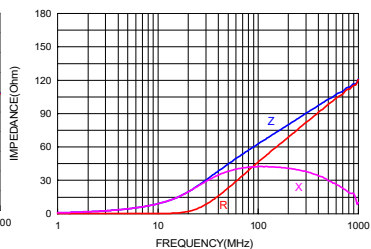
FCM2012KV-300T06



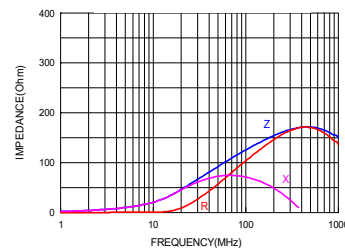
FCM2012KV-400T06



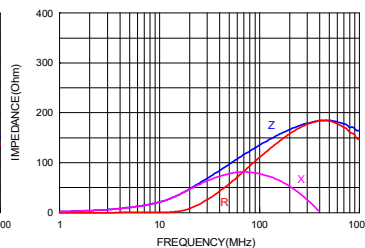
FCM2012KV-600T09



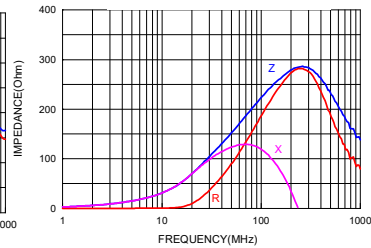
FCM2012KV-121T08



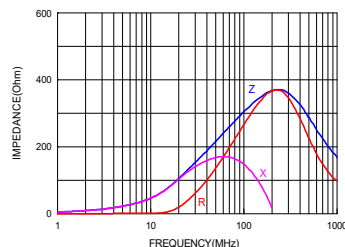
FCM2012KV-151T08



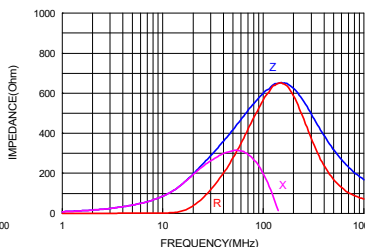
FCM2012KV-221T07



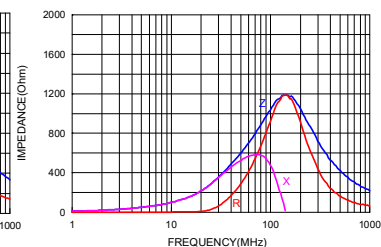
FCM2012KV-301T07



FCM2012KV-601T05

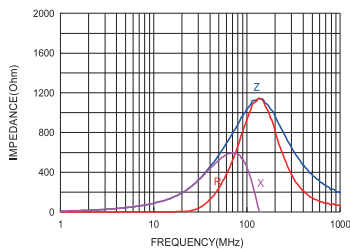


FCM2012KV-102T04

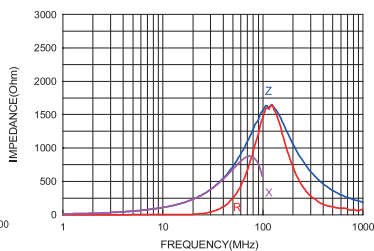


■ Impedance-Frequency Characteristics (Typical)

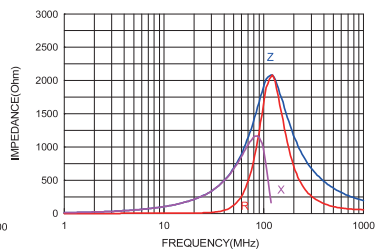
FCM2012HV-102T04



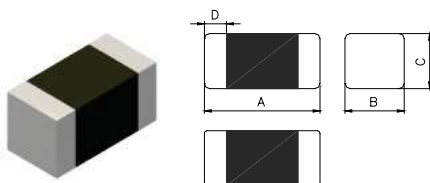
FCM2012HV-152T03



FCM2012HV-202T02



■ Dimensions



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

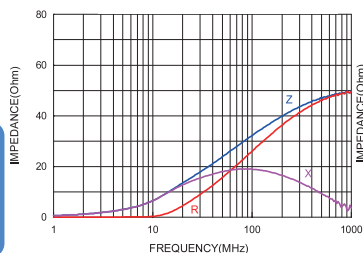
Units: mm

■ Specifications

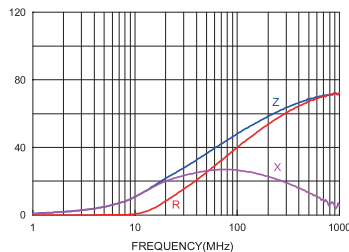
Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
FCM3216KV-310T05	31±25%	100	0.20	500
FCM3216KV-500T05	50±25%	100	0.20	500
FCM3216KV-700T05	70±25%	100	0.20	500
FCM3216KV-121T09	120±25%	100	0.15	900
FCM3216KV-301T07	300±25%	100	0.35	700
FCM3216KV-601T04	600±25%	100	0.40	400

■ Impedance-Frequency Characteristics (Typical)

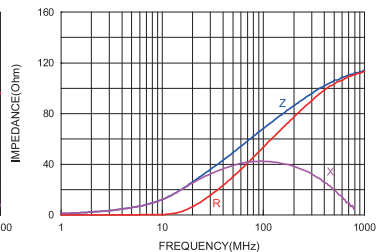
FCM3216KV-310T05



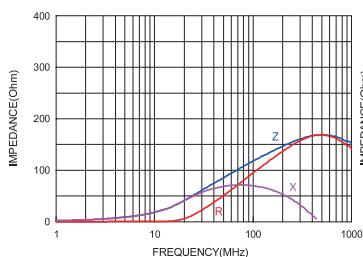
FCM3216KV-500T05



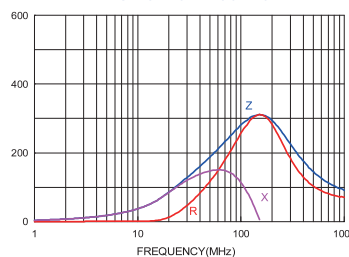
FCM3216KV-700T05



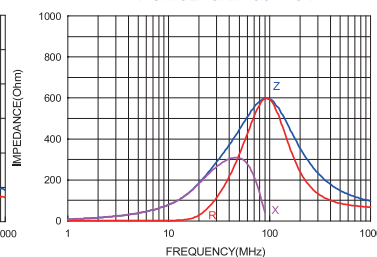
FCM3216KV-121T09



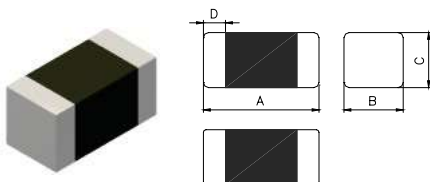
FCM3216KV-301T07



FCM3216KV-601T04



■ Dimensions



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

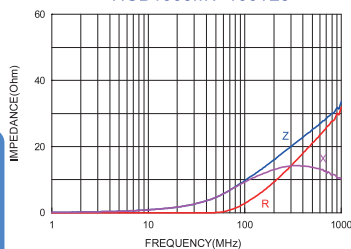
Units: mm

■ Specifications

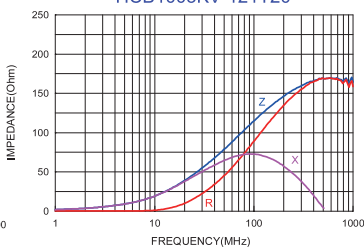
Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
HCB1005MV-100T25	10±25%	100	0.050	2500
HCB1005KV-121T20	120±25%	100	0.095	2000
HCB1005KV-221T15	220±25%	100	0.150	1500
HCB1005PV-330T30	33±25%	100	0.022	3000
HCB1005PV-600T25	60±25%	100	0.032	2500
HCB1005PV-800T23	80±25%	100	0.038	2300

■ Impedance-Frequency Characteristics (Typical)

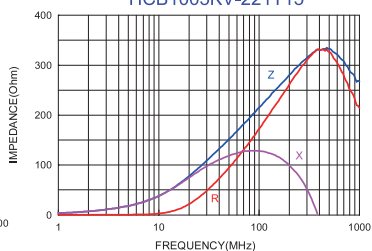
HCB1005MV-100T25



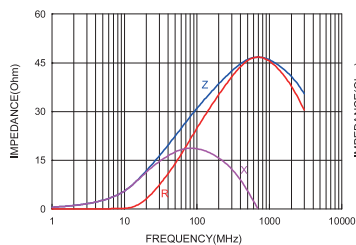
HCB1005KV-121T20



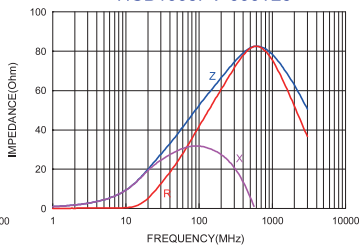
HCB1005KV-221T15



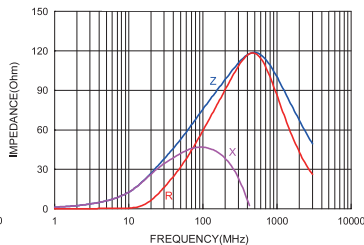
HCB1005PV-330T30



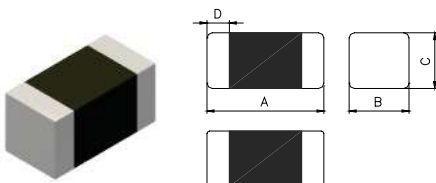
HCB1005PV-600T25



HCB1005PV-800T23



■ 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

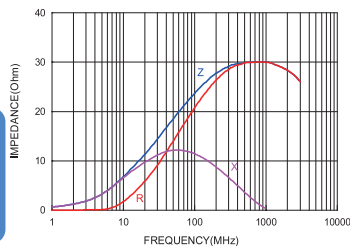
Units: mm

■ Specifications

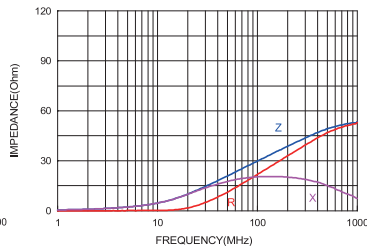
Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.	Height (mm) max.
HCB1606ZV-260T60	26±25%	100	0.01	6000	0.75
HCB1608KV-300T30	30±25%	100	0.04	3000	0.95
HCB1608KV-800T30	80±25%	100	0.04	3000	0.95
HCB1608KV-121T20	120±25%	100	0.10	2000	0.95
HCB1608KV-221T20	220±25%	100	0.10	2000	0.95
HCB1608KV-301T10	300±25%	100	0.20	1000	0.95
HCB1608KV-471T10	470±25%	100	0.20	1000	0.95
HCB1608KV-601T10	600±25%	100	0.20	1000	0.95

■ Impedance-Frequency Characteristics (Typical)

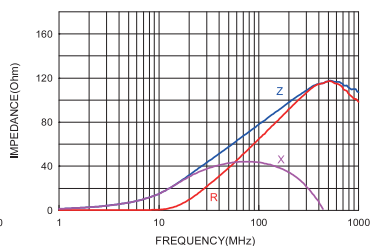
HCB1606ZV-260T60



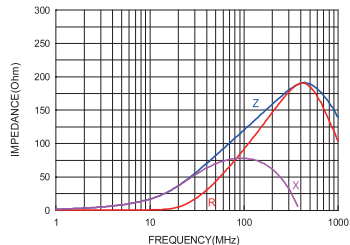
HCB1608KV-300T30



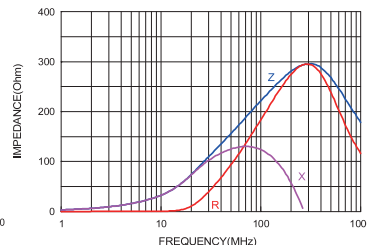
HCB1608KV-800T30



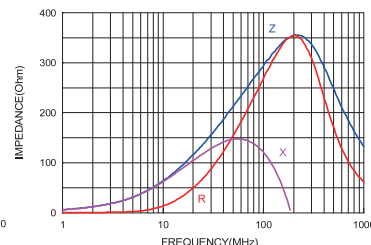
HCB1608KV-121T20



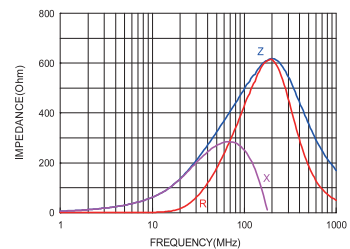
HCB1608KV-221T20



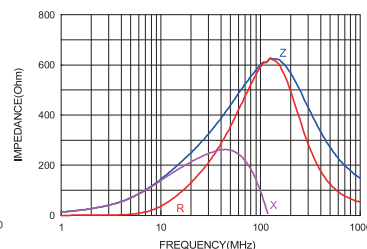
HCB1608KV-301T10



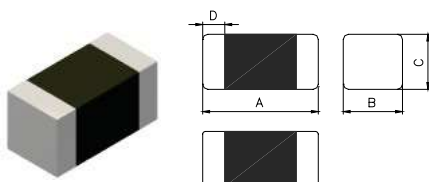
HCB1608KV-471T10



HCB1608KV-601T10



■ Dimensions



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

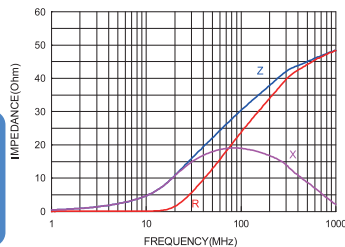
Units: mm

■ Specifications

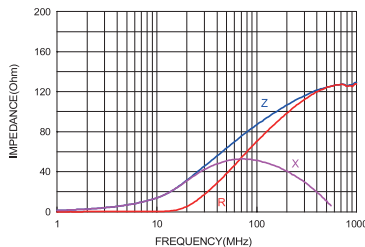
Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
HCB2012KV-300T30	30±25%	100	0.04	3000
HCB2012KV-800T30	80±25%	100	0.04	3000
HCB2012KV-121T20	120±25%	100	0.10	2000
HCB2012KV-151T20	150±25%	100	0.10	2000
HCB2012KV-221T20	220±25%	100	0.10	2000
HCB2012KV-301T10	300±25%	100	0.20	1000
HCB2012KV-601T10	600±25%	100	0.20	1000

■ Impedance-Frequency Characteristics (Typical)

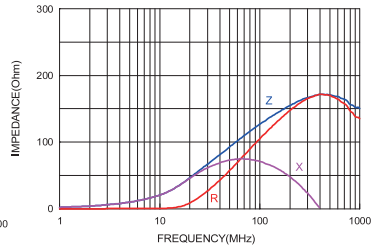
HCB2012KV-300T30



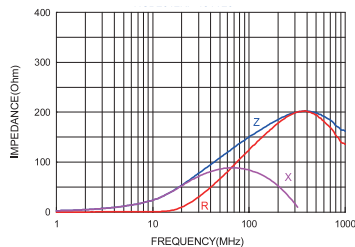
HCB2012KV-800T30



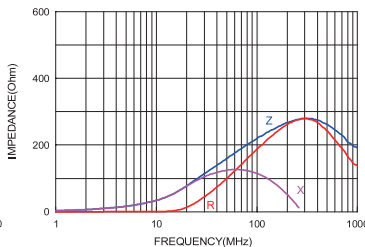
HCB2012KV-121T20



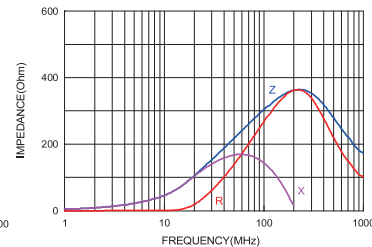
HCB2012KV-151T20



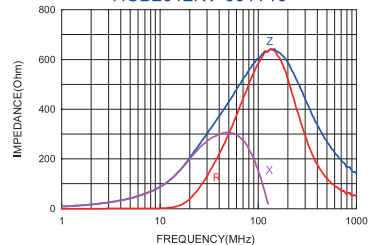
HCB2012KV-221T20



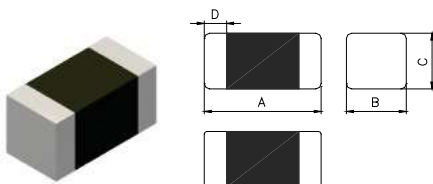
HCB2012KV-301T10



HCB2012KV-601T10



■ 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

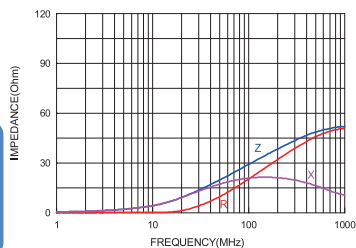
Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
HCB3216KV-300T30	30±25%	100	0.04	3000
HCB3216KV-500T30	50±25%	100	0.04	3000
HCB3216KV-800T30	80±25%	100	0.04	3000
HCB3216KV-121T20	120±25%	100	0.10	2000
HCB3216KV-301T10	300±25%	100	0.20	1000
HCB3216KV-501T30	500±25%	100	0.04	3000
HCB3216KV-601T20	600±25%	100	0.10	2000


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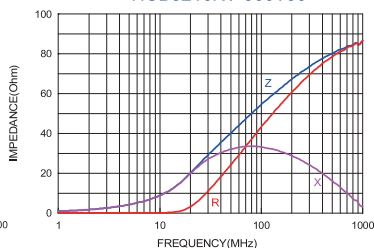
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For the latest specification, please visit our website: www.tai-tech.com.tw

■ Impedance-Frequency Characteristics (Typical)

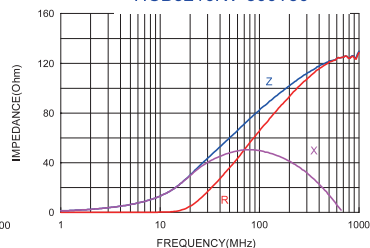
HCB3216KV-300T30



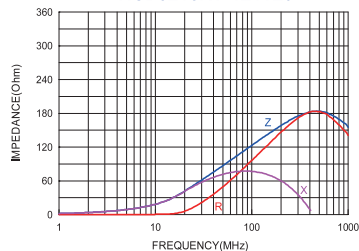
HCB3216KV-500T30



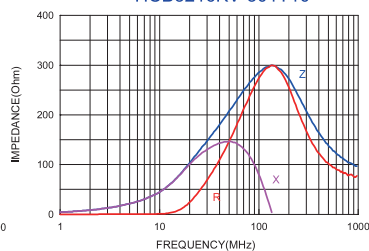
HCB3216KV-800T30



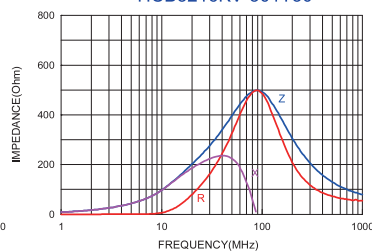
HCB3216KV-121T20



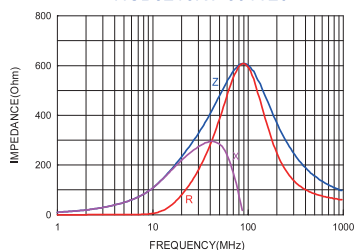
HCB3216KV-301T10



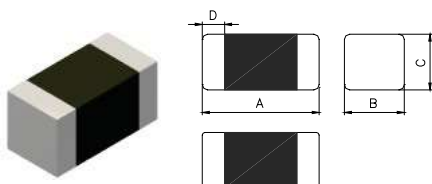
HCB3216KV-501T30



HCB3216KV-601T20



■ Dimensions



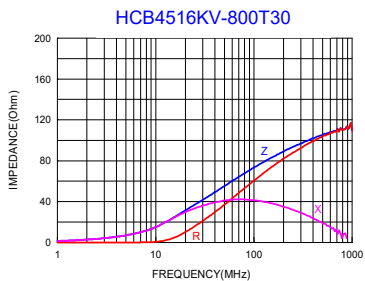
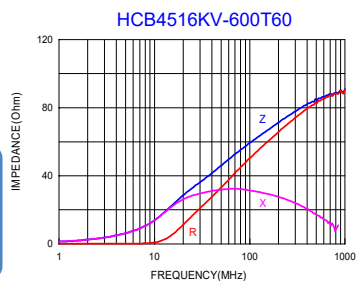
Dimensions	
A	4.50±0.20
B	1.60±0.20
C	1.60±0.20
D	0.50±0.30

Units: mm

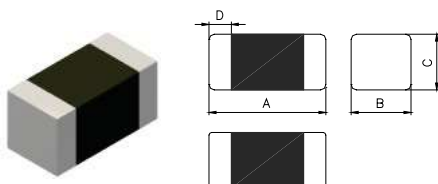
■ Specifications

Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
HCB4516KV-600T60	60±25%	100	0.01	6000
HCB4516KV-800T30	80±25%	100	0.04	3000

■ Impedance-Frequency Characteristics (Typical)



■ Dimensions



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

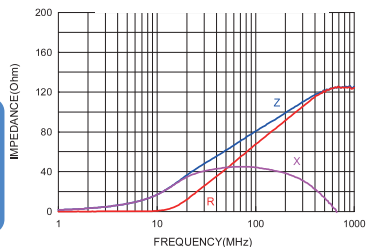
Units: mm

■ Specifications

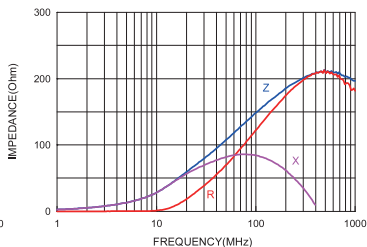
Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
HCB4532KV-800T60	80±25%	100	0.01	6000
HCB4532KV-151T50	150±25%	100	0.02	5000
HCB4532MV-681T40	680±25%	100	0.03	4000
HCB4532MV-132T30	1300±25%	100	0.06	3000

■ Impedance-Frequency Characteristics (Typical)

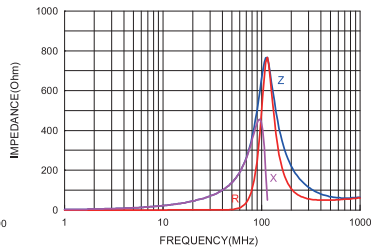
HCB4532KV-800T60



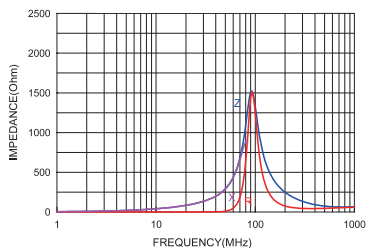
HCB4532KV-151T50



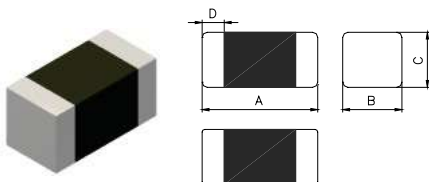
HCB4532MV-681T40



HCB4532MV-132T30



■ Dimensions



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

Units: mm

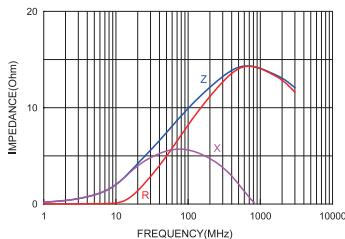
■ Specifications

Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
HFZ1005PV-100T40	10±25%	100	0.018	4000
HFZ1005PV-300T30	30±25%	100	0.022	3000
HFZ1005PV-800T23	80±25%	100	0.038	2300
HFZ1005PV-121T20	120±25%	100	0.050	2000
HFZ1005PV-221T15	220±25%	100	0.095	1500
HFZ1005PV-301T12	300±25%	100	0.150	1200
HFZ1005PV-471T11	470±25%	100	0.180	1100
HFZ1005PV-601T10	600±25%	100	0.200	1000

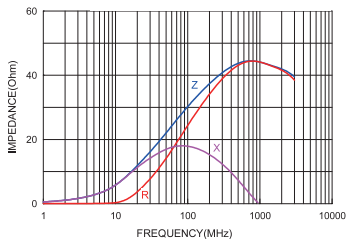


■ Impedance-Frequency Characteristics (Typical)

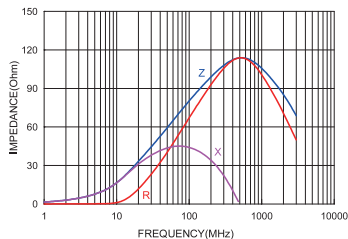
HFZ1005PV-100T40



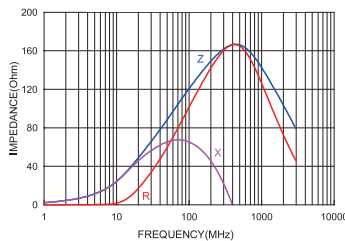
HFZ1005PV-300T30



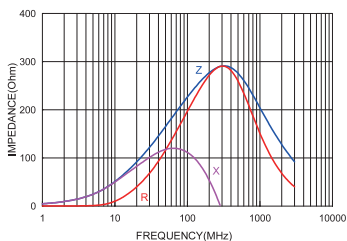
HFZ1005PV-800T23



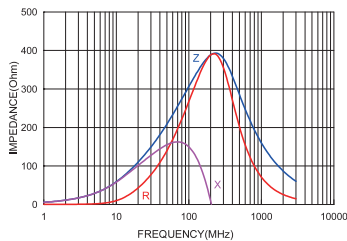
HFZ1005PV-121T20



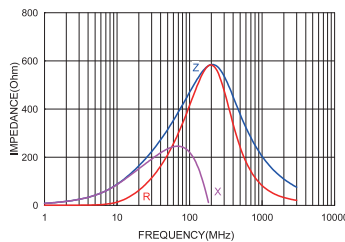
HFZ1005PV-221T15



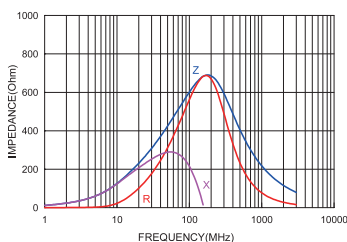
HFZ1005PV-301T12



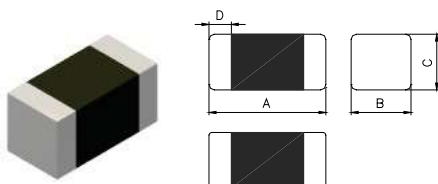
HFZ1005PV-471T11



HFZ1005PV-601T10



■ Dimensions



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

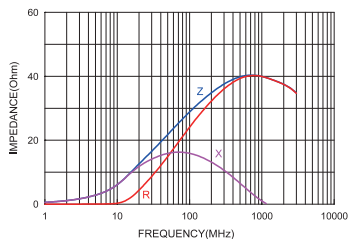
Units: mm

■ Specifications

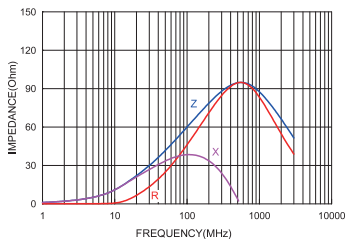
Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
HFZ1608PV-300T50	30±25%	100	0.010	5000
HFZ1608PV-600T40	60±25%	100	0.020	4000
HFZ1608PV-800T30	80±25%	100	0.030	3000
HFZ1608PV-101T30	100±25%	100	0.030	3000
HFZ1608PV-121T30	120±25%	100	0.035	3000
HFZ1608PV-151T25	150±25%	100	0.040	2500
HFZ1608PV-221T23	220±25%	100	0.050	2300
HFZ1608PV-301T22	300±25%	100	0.070	2200
HFZ1608PV-471T20	470±25%	100	0.090	2000
HFZ1608PV-601T20	600±25%	100	0.095	2000
HFZ1608PV-102T15	1000±25%	100	0.150	1500

■ Impedance-Frequency Characteristics (Typical)

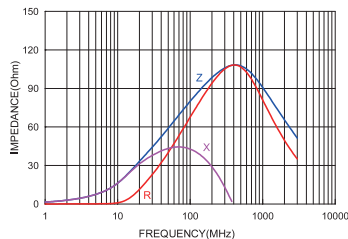
HFZ1608PV-300T50



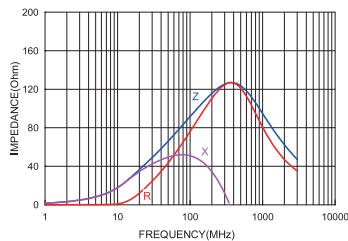
HFZ1608PV-600T40



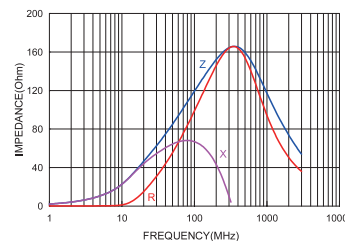
HFZ1608PV-800T30



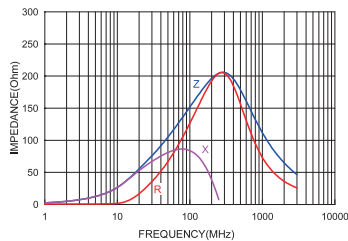
HFZ1608PV-101T30



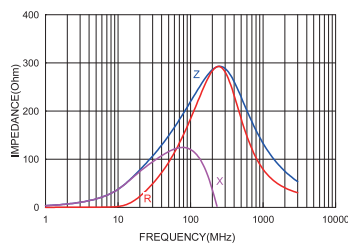
HFZ1608PV-121T30



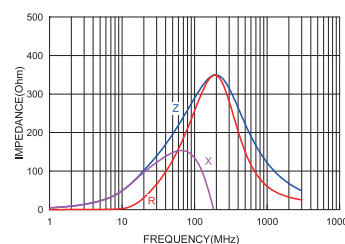
HFZ1608PV-151T25



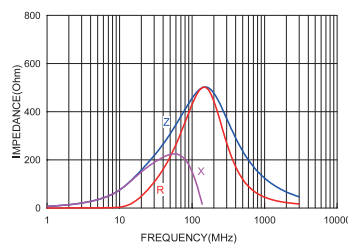
HFZ1608PV-221T23



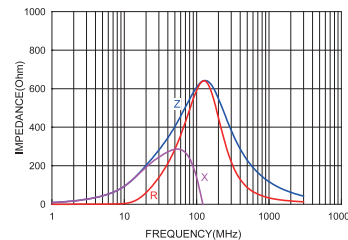
HFZ1608PV-301T22



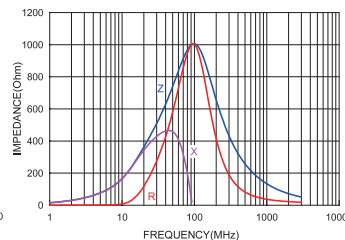
HFZ1608PV-471T20



HFZ1608PV-601T20

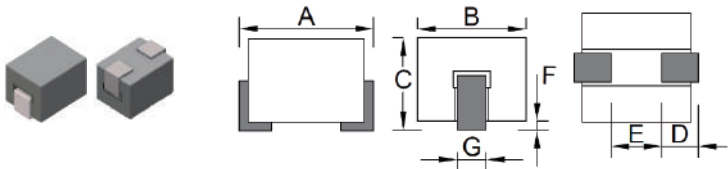


HFZ1608PV-102T15





■ Dimensions



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

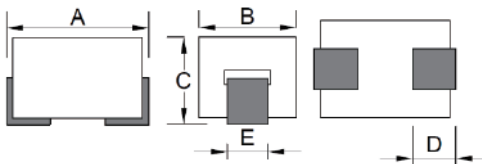
Units: mm

■ Specifications

Part Number	Inductance (H) [100KHz/1V]	Impedance ohm at 25 MHz	Impedance ohm at 100 MHz	DC Resistance (mΩ)max	Rated Current(A)	
					T= 40 TYP	T= 60 TYP
BPH323023W5V-400T	0.36±20%	23±25%	40±25%	0.60	21.0(1) 15.0(2)	26.0(1) 18.0(2)

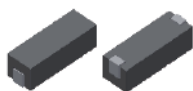
Note:
Rated Current:
(1) : Chroma high current test fixture.
(2) :PCB test fixture (30x45mm copper pattern , 50um copper thickness).

■ Dimensions



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



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	Inductance (H) [100KHz/1V]	Impedance ohm at 25 MHz	Impedance ohm at 100 MHz	DC Resistance (mΩ)max	Rated Current(A)	
					T= 40 TYP	T= 60 TYP
BPH403025R5V-530T	0.46±20%	35±25%	53±25%	0.60	35.0(1) 15.0(2)	45.0(1) 18.0(2)
BPH853025R5V-101T	1.20±20%	65±25%	100±25%	1.00	30.0(1) 13.0(2)	40.0(1) 18.0(2)

Note:

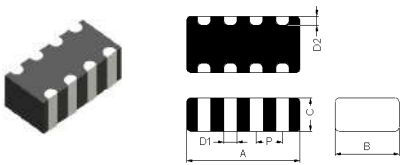
Rated Current:

(1) : Chroma high current test fixture.

(2) :PCB test fixture (30x45mm copper pattern , 50um copper thickness).



■ Dimensions



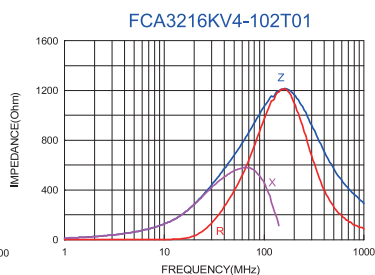
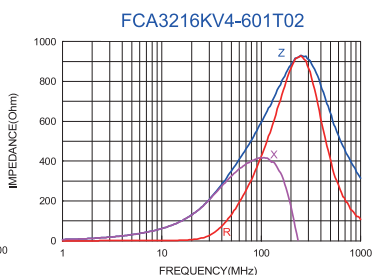
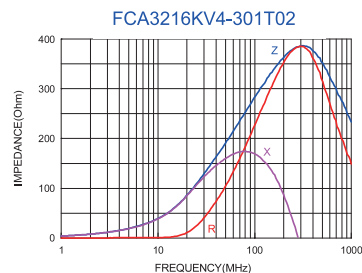
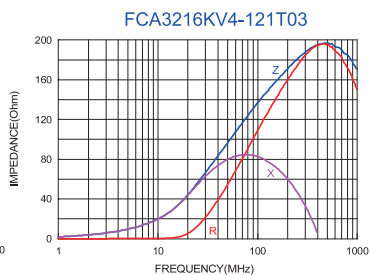
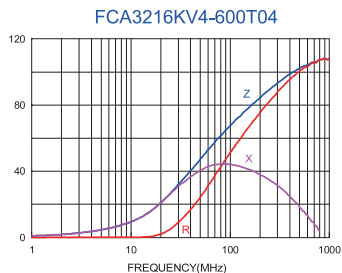
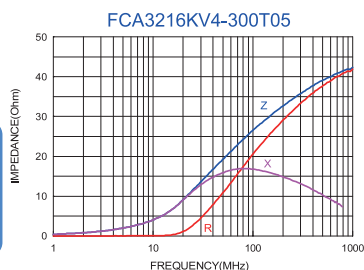
Dimensions	
A	3.20±0.20
B	1.60±0.20
C	0.90±0.20
D1	0.40±0.15
D2	0.30±0.10
P	0.80±0.10

Units: mm

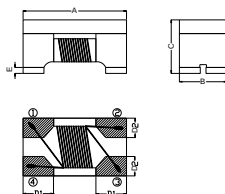
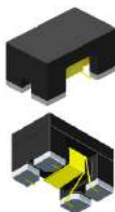
■ Specifications

Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
FCA3216KV4-300T05	30±25%	100	0.20	500
FCA3216KV4-600T04	60±25%	100	0.25	400
FCA3216KV4-121T03	120±25%	100	0.30	350
FCA3216KV4-301T02	300±25%	100	0.40	250
FCA3216KV4-601T02	600±25%	100	0.50	200
FCA3216KV4-102T01	1000±25%	100	0.75	150

■ Impedance-Frequency Characteristics (Typical)



■ 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

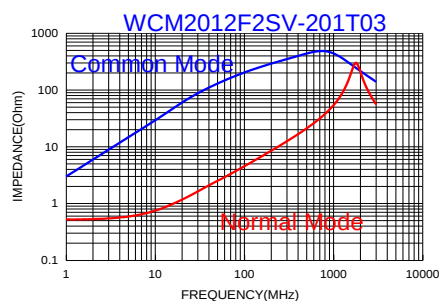
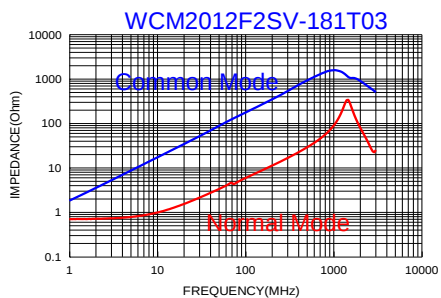
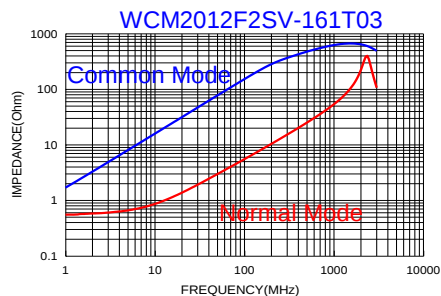
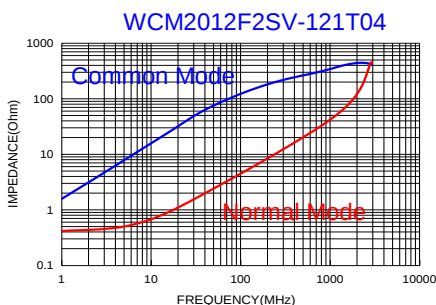
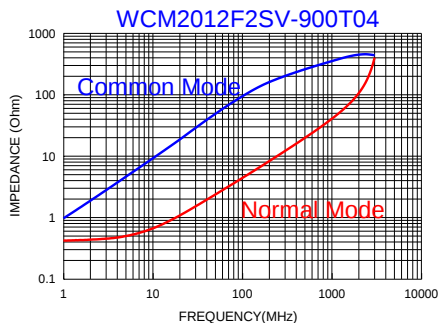
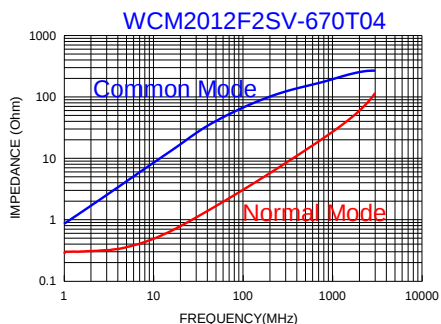
Units: mm

■ Specifications

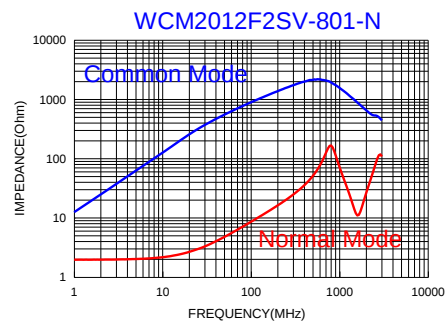
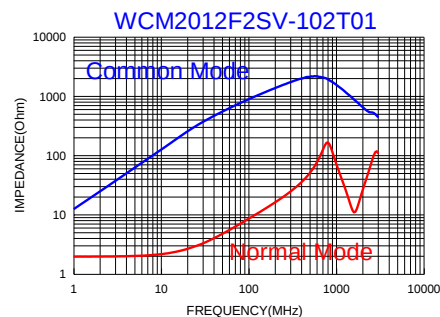
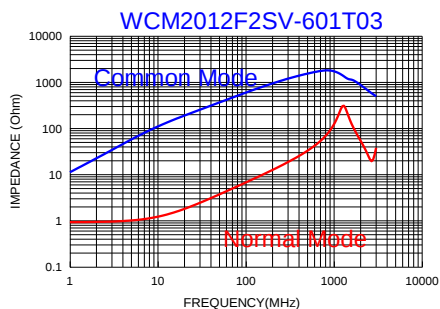
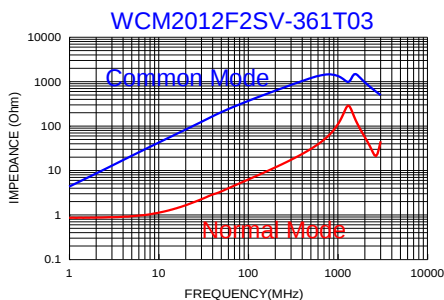
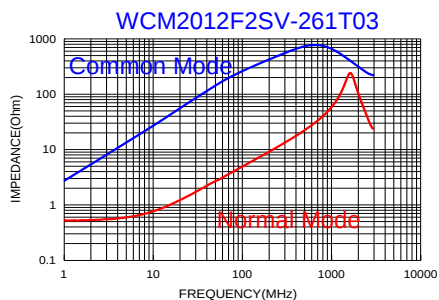
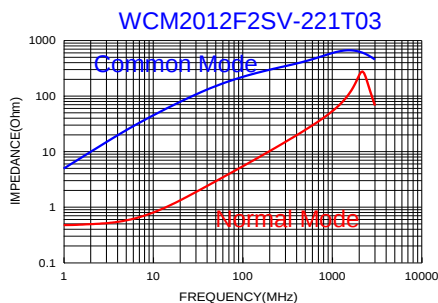
Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc) max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
WCM2012F2SV-670T04	67±25%	100	0.25	400	50	125	10M
WCM2012F2SV-900T04	90±25%	100	0.30	400	50	125	10M
WCM2012F2SV-121T04	120±25%	100	0.30	400	50	125	10M
WCM2012F2SV-161T03	160±25%	100	0.35	350	50	125	10M
WCM2012F2SV-181T03	180±25%	100	0.35	350	50	125	10M
WCM2012F2SV-201T03	200±25%	100	0.40	300	50	125	10M
WCM2012F2SV-221T03	220±25%	100	0.40	300	50	125	10M
WCM2012F2SV-261T03	260±25%	100	0.40	300	50	125	10M
WCM2012F2SV-361T03	360±25%	100	0.50	300	50	125	10M
WCM2012F2SV-601T03	600±25%	100	0.88	300	50	125	10M
WCM2012F2SV-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.
WCM2012F2SV-801-N	800±25%	100	0.88	300	50	125	10M

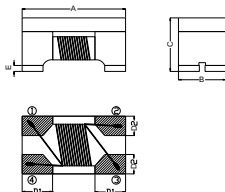
■ Impedance-Frequency Characteristics (Typical)



■ Impedance-Frequency Characteristics (Typical)



■ Dimensions



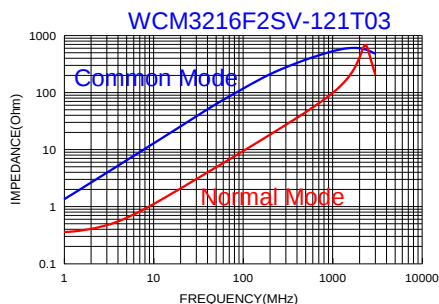
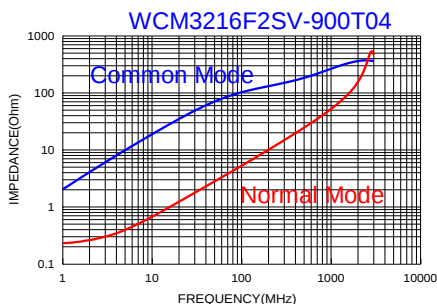
Dimensions	
A	3.20±0.20
B	1.60±0.20
C	2.00±0.20
D1	0.50±0.10
D2	0.50±0.10
E	0.15±0.10

Units: mm

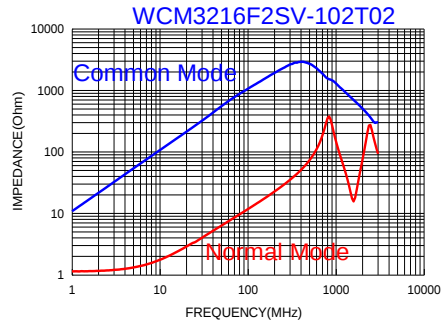
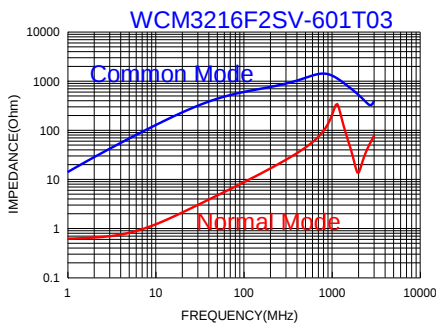
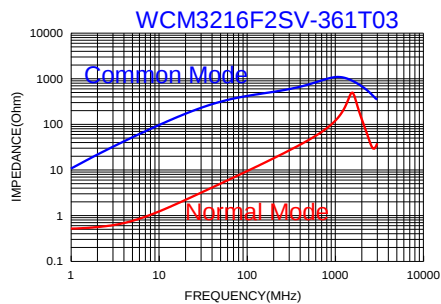
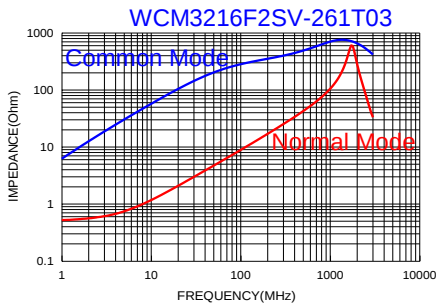
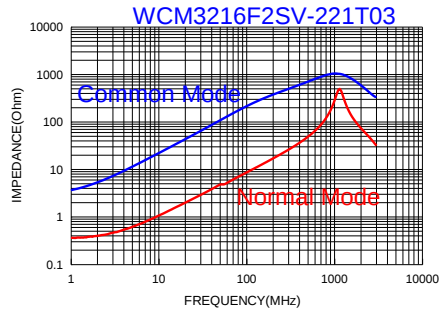
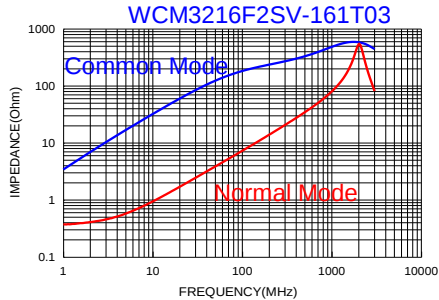
■ Specifications

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.
WCM3216F2SV-900T04	90±25%	100	0.30	400	50	125	10M
WCM3216F2SV-121T03	120±25%	100	0.30	350	50	125	10M
WCM3216F2SV-161T03	160±25%	100	0.40	350	50	125	10M
WCM3216F2SV-221T03	220±25%	100	0.45	300	50	125	10M
WCM3216F2SV-261T03	260±25%	100	0.50	300	50	125	10M
WCM3216F2SV-361T03	360±25%	100	0.60	300	50	125	10M
WCM3216F2SV-601T03	600±25%	100	0.80	300	50	125	10M
WCM3216F2SV-102T02	1000±25%	100	1.00	200	50	125	10M
WCM3216F2SV-222T02	2200±25%	100	1.20	200	50	125	10M

■ Impedance-Frequency Characteristics (Typical)

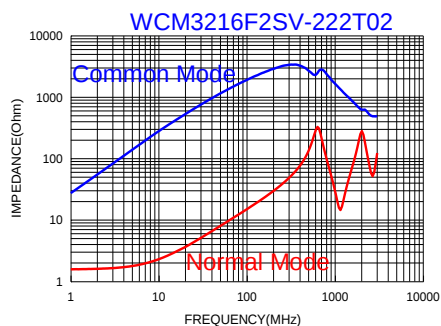


■ Impedance-Frequency Characteristics (Typical)

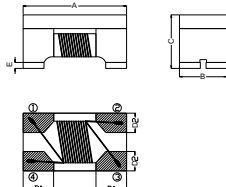
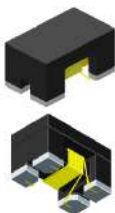




■ Impedance-Frequency Characteristics (Typical)



■ Dimensions



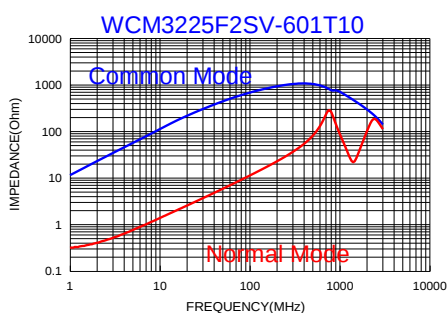
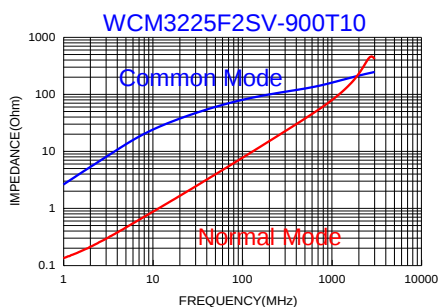
Dimensions	
A	3.20±0.20
B	2.50±0.20
C	2.20±0.20
D1	0.80±0.10
D2	0.90±0.10
E	0.15±0.10

Units: mm

■ Specifications

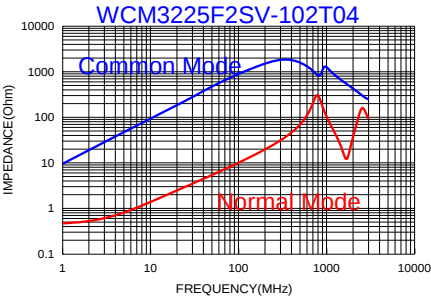
Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc) max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
WCM3225F2SV-900T10	90±25%	100	0.05	1000	50	125	10M
WCM3225F2SV-601T10	600±25%	100	0.20	1000	50	125	10M
WCM3225F2SV-102T04	1000±25%	100	0.30	400	50	125	10M

■ Impedance-Frequency Characteristics (Typical)

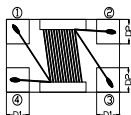
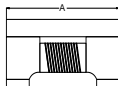
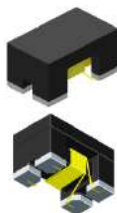




■ Impedance-Frequency Characteristics (Typical)



■ 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

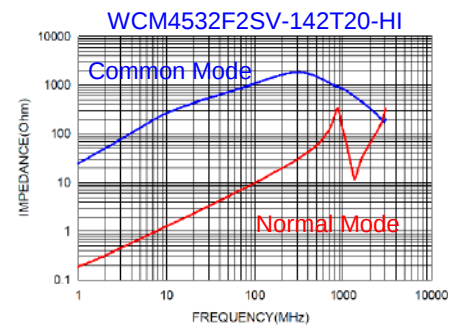
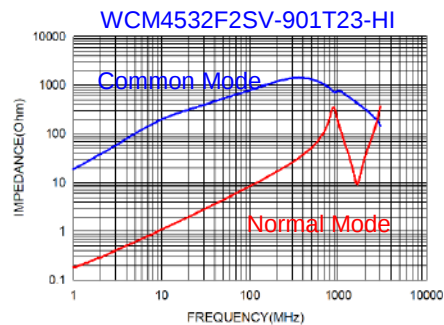
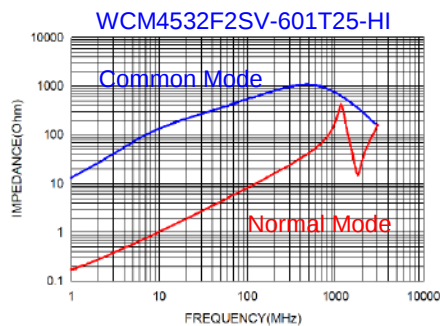
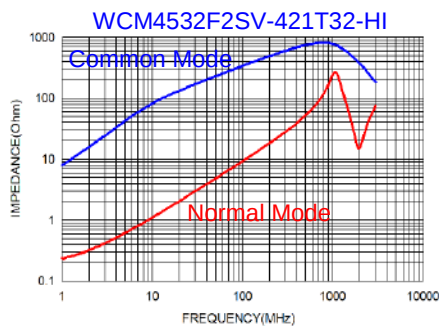
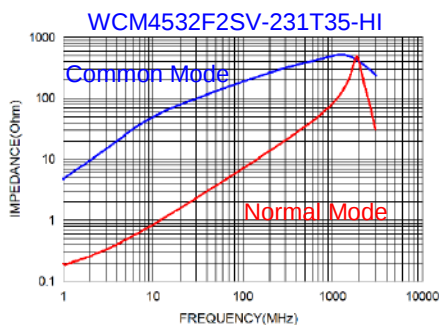
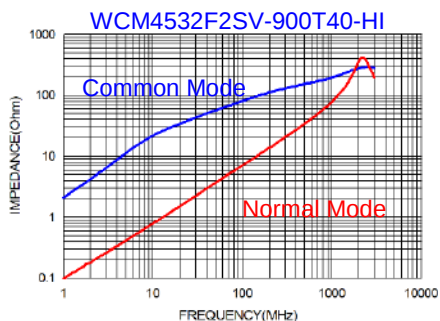
■ Specifications

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.						
WCM4532F2SV-900T40-HI	68	90	100	0.050	4000	50	125	10M
WCM4532F2SV-231T35-HI	173	230	100	0.050	3500	50	125	10M
WCM4532F2SV-421T32-HI	300	420	100	0.055	3200	50	125	10M
WCM4532F2SV-601T25-HI	450	600	100	0.060	2500	50	125	10M
WCM4532F2SV-901T23-HI	650	900	100	0.070	2300	50	125	10M
WCM4532F2SV-142T20-HI	1000	1400	100	0.100	2000	50	125	10M
WCM4532F2SV-282T09-HI	2100	2800	100	0.350	900	50	125	10M

Note:

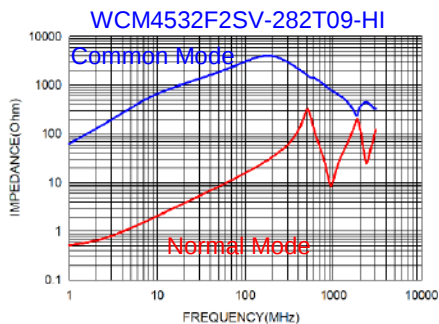
When current is applied, the temperature of the part should not exceed 125℃

■ Impedance-Frequency Characteristics (Typical)

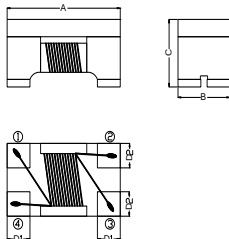
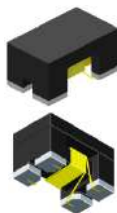




■ Impedance-Frequency Characteristics (Typical)



■ Dimensions



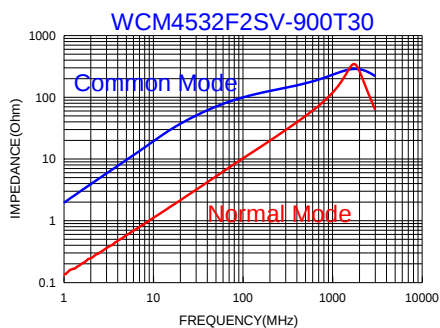
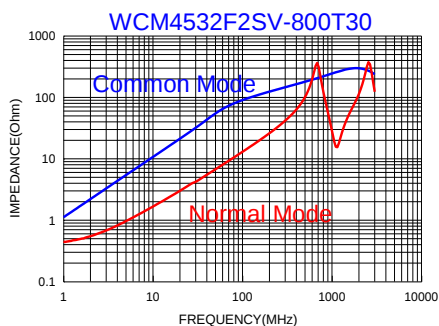
Dimensions	
A	4.50±0.20
B	3.20±0.20
C	2.80±0.20
D1	1.00±0.10
D2	1.20±0.10

Units: mm

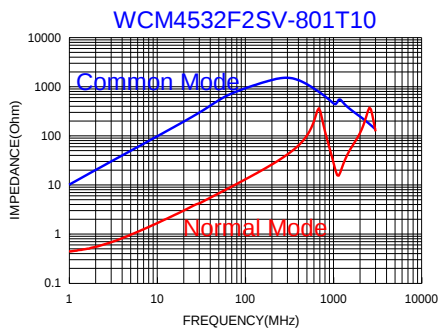
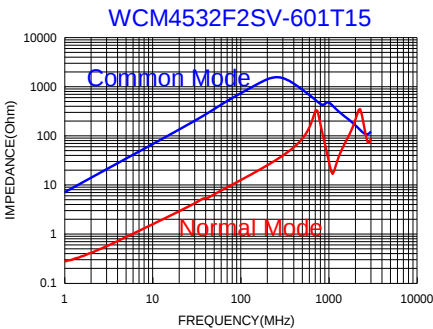
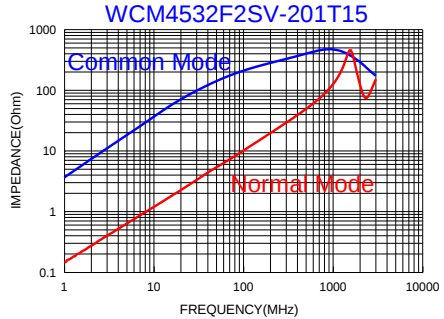
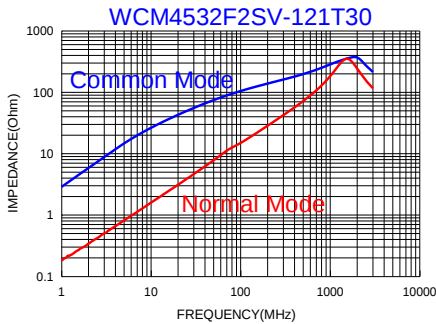
■ Specifications

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.
WCM4532F2SV-800T30	80±25%	100	0.05	3000	50	125	10M
WCM4532F2SV-900T30	90±25%	100	0.05	3000	50	125	10M
WCM4532F2SV-121T30	120±25%	100	0.05	3000	50	125	10M
WCM4532F2SV-201T15	200±25%	100	0.10	1500	50	125	10M
WCM4532F2SV-601T15	600±25%	100	0.24	1500	50	125	10M
WCM4532F2SV-801T10	800±25%	100	0.24	1000	50	125	10M

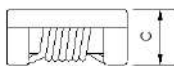
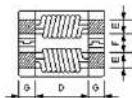
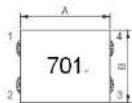
■ Impedance-Frequency Characteristics (Typical)



■ Impedance-Frequency Characteristics (Typical)



■ Dimensions



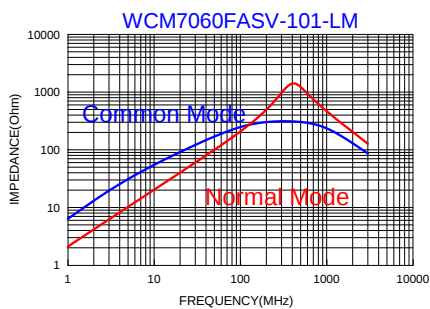
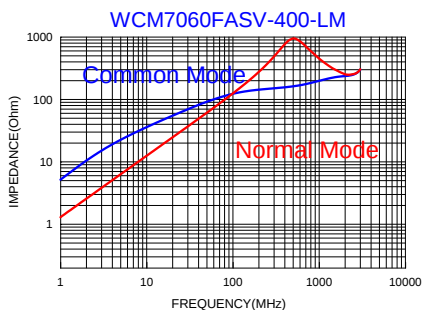
Dimensions	
A	7.00±0.50
B	6.00±0.50
C	3.80 max.
D	3.50 typ.
E	1.50±0.50
F	1.50±0.50
G	1.70±0.50

Units: mm

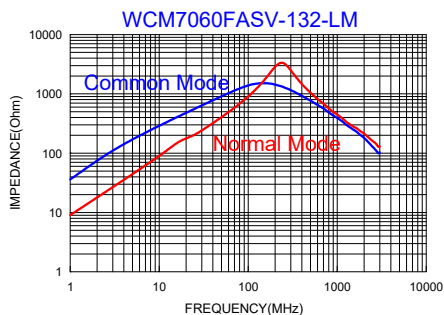
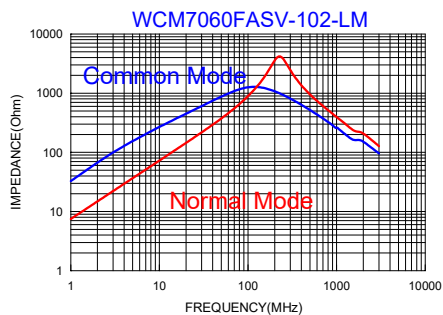
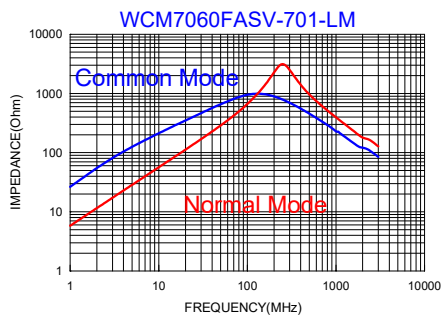
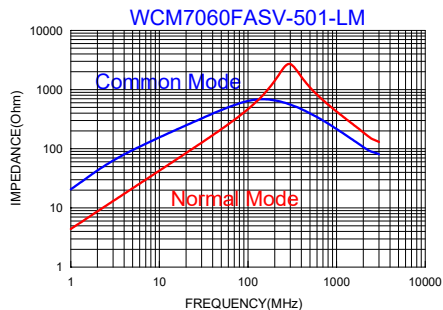
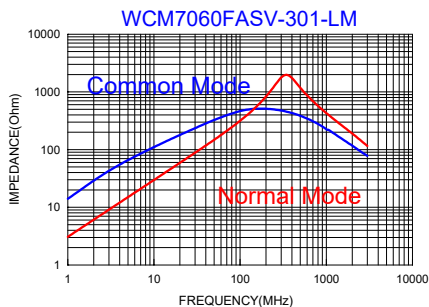
■ Specifications

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.					
WCM7060FASV-400-LM	40	70	100	5	15	80	10
WCM7060FASV-101-LM	100	140	100	10	9	80	10
WCM7060FASV-301-LM	225	300	100	10	5	80	10
WCM7060FASV-501-LM	400	500	100	10	5	80	10
WCM7060FASV-701-LM	500	700	100	15	4	80	10
WCM7060FASV-102-LM	800	1020	100	17	3	80	10
WCM7060FASV-132-LM	910	1300	100	20	3	80	10

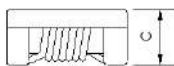
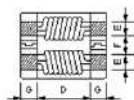
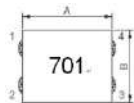
■ Impedance-Frequency Characteristics (Typical)



■ Impedance-Frequency Characteristics (Typical)



■ Dimensions



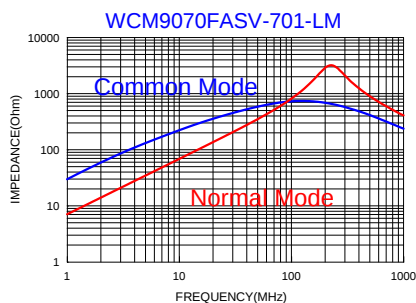
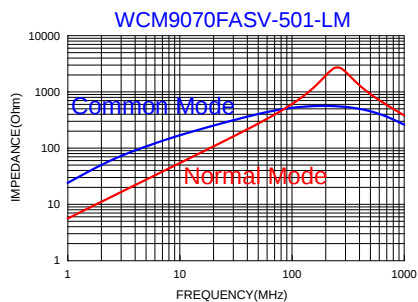
Dimensions	
A	9.00±0.50
B	7.00±0.20
C	4.50 max.
D	5.30 typ.
E	1.50±0.50
F	2.10±0.50
G	1.80±0.50

Units: mm

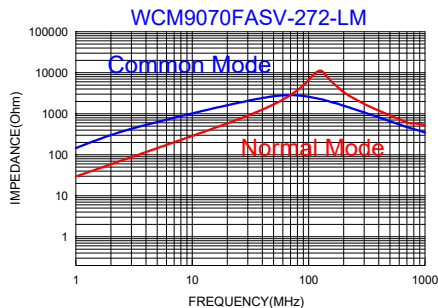
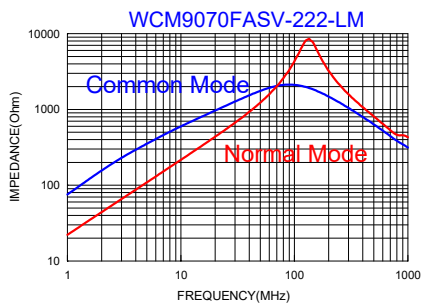
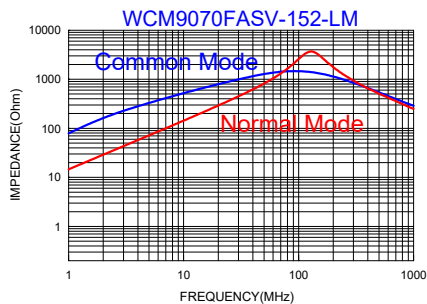
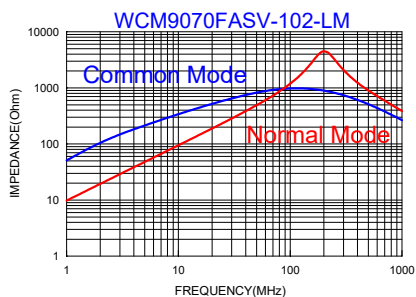
■ Specifications

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.					
WCM9070FASV-501-LM	300	500	100	6	8.0	80	10
WCM9070FASV-701-LM	500	700	100	9	6.0	80	10
WCM9070FASV-102-LM	750	1000	100	10	5.0	80	10
WCM9070FASV-152-LM	1000	1500	100	15	4.5	80	10
WCM9070FASV-222-LM	1700	2200	100	25	4.0	80	10
WCM9070FASV-272-LM	2000	2700	100	32	3.5	80	10

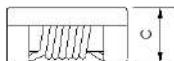
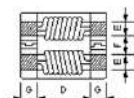
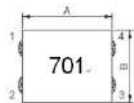
■ Impedance-Frequency Characteristics (Typical)



■ Impedance-Frequency Characteristics (Typical)



■ Dimensions



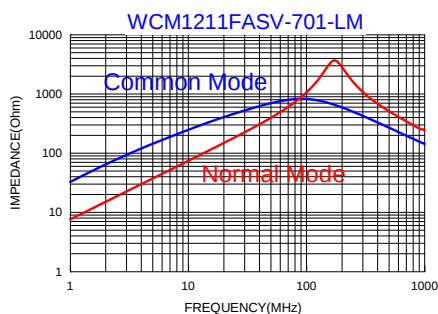
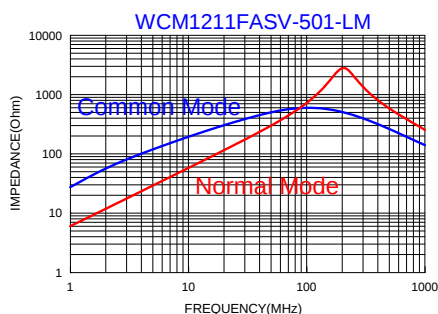
Dimensions	
A	12.00±0.50
B	11.00±0.30
C	6.00 max.
D	6.70 typ.
E	2.70±0.50
F	2.60±0.50
G	2.60±0.50

Units: mm

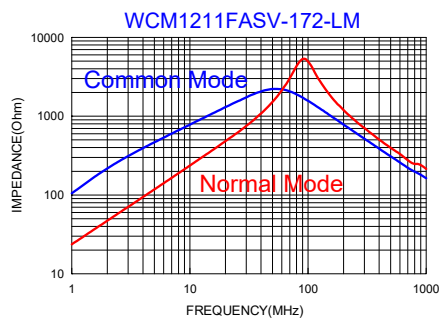
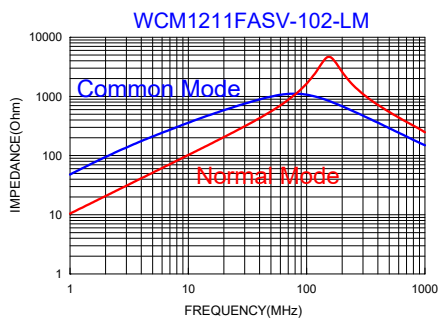
■ Specifications

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.					
WCM1211FASV-501-LM	300	500	100	4	11	80	10
WCM1211FASV-701-LM	500	700	100	5	9	80	10
WCM1211FASV-102-LM	750	1000	100	8	7	80	10
WCM1211FASV-172-LM	1200	1700	100	12	5.5	80	10

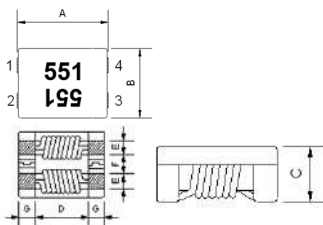
■ Impedance-Frequency Characteristics (Typical)



■ Impedance-Frequency Characteristics (Typical)



■ Dimensions



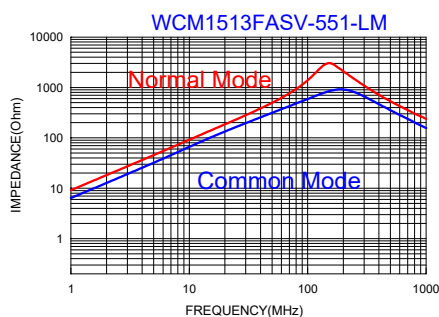
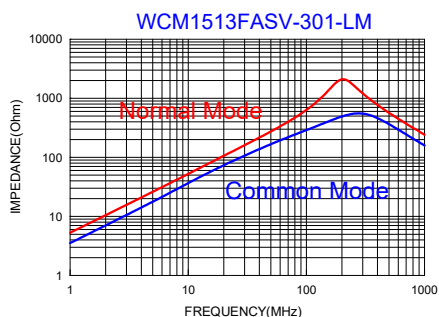
Dimensions	
A	15.00±0.50
B	13.00±0.40
C	6.00 max.
D	9.30 Typ.
E	2.70±0.50
F	3.60±0.50
G	2.80±0.50

Units: mm

■ Specifications

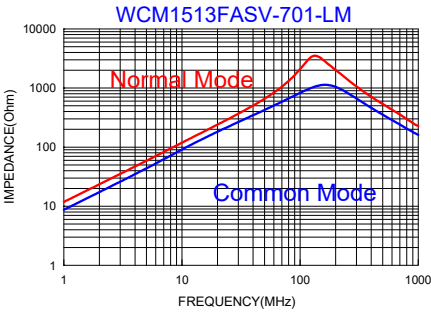
Part Number	Common mode Impedance (Ω)		Test Frequency (MHz)	DC Resistance (mΩ) max. (1 line)	Rated Current (A) max.	Rated Volt. (Vdc) max.	IR (MΩ) min.
	min	typ.					
WCM1513FASV-301-LM	200	300	100	3.5	14	125	10
WCM1513FASV-551-LM	450	550	100	4.0	10	125	10
WCM1513FASV-701-LM	500	700	100	5.0	10	125	10

■ Impedance-Frequency Characteristics (Typical)

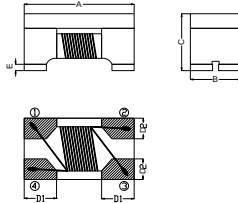
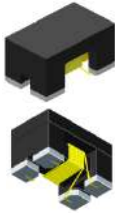




■ Impedance-Frequency Characteristics (Typical)



■ Dimensions



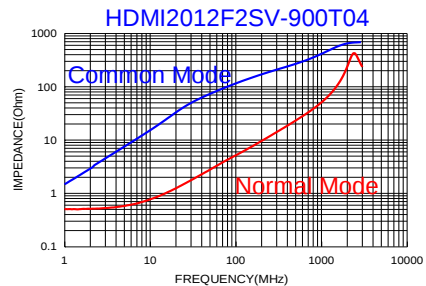
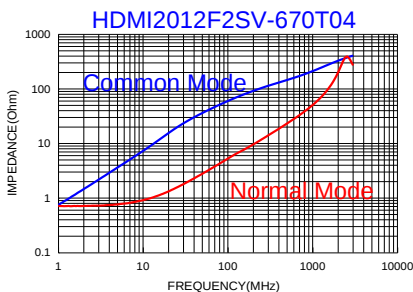
Dimensions	
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C	1.20±0.20
D1	0.50±0.10
D2	0.51±0.10
E	0.15±0.10

Units: mm

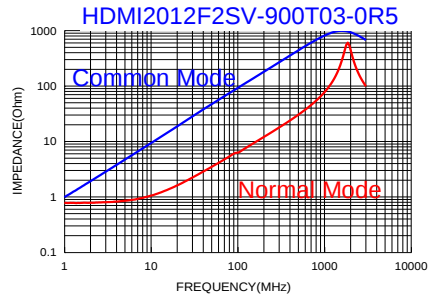
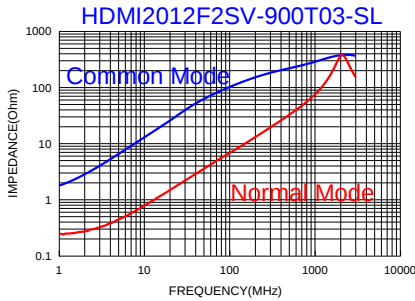
■ Specifications

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.
HDMI2012F2SV-670T04	67 typ	50 min	100	0.30	400	50	125	10M
HDMI2012F2SV-900T04	90 typ	65 min	100	0.30	400	50	125	10M
HDMI2012F2SV-900T03-SL	90 ±25%		100	0.30	300	50	125	10M
HDMI2012F2SV-900T03-0R5	90±25%		100	0.50	300	50	125	10M

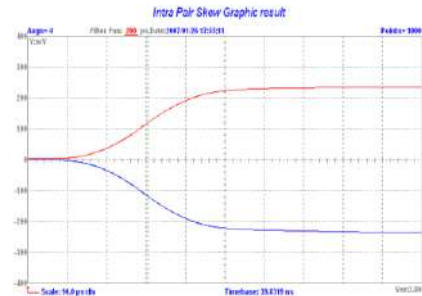
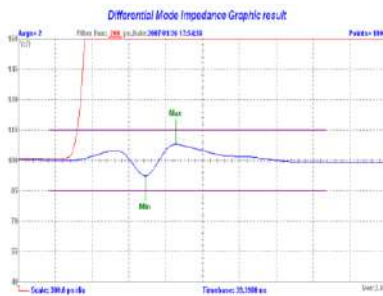
■ Impedance-Frequency Characteristics (Typical)



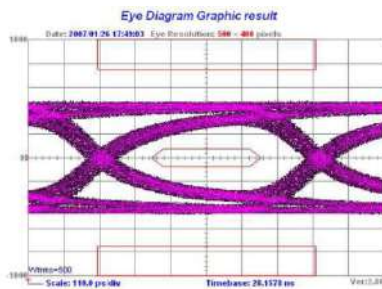
■ Impedance-Frequency Characteristics (Typical)



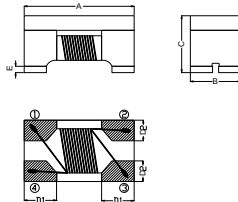
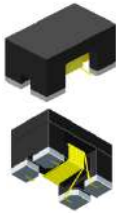
■ TDR Test and Intra Pair Skew Test -HDMI2012F2SV-900T04



■ Eye Diagram Graphic Test and Insertion Loss Test -HDMI2012F2SV-900T04



■ Dimensions



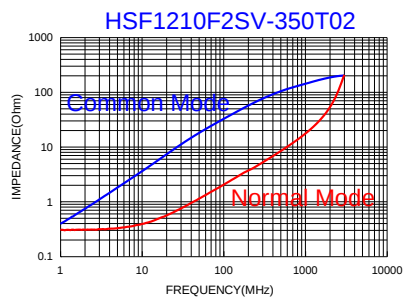
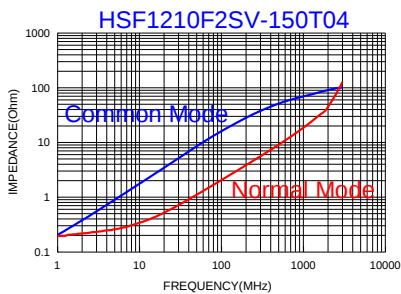
Dimensions	
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B	1.00±0.20
C	0.90max
D1	0.35±0.10
D2	0.35±0.10
E	0.03min

Units: mm

■ Specifications

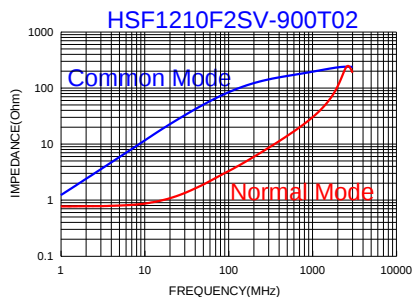
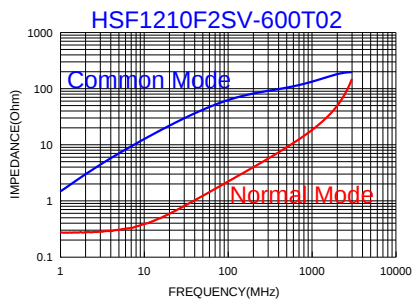
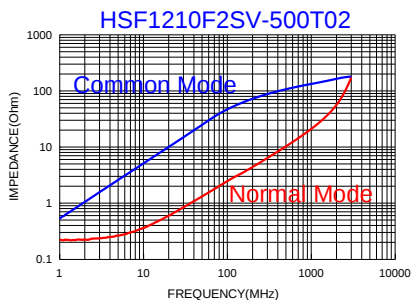
Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc) max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
HSF1210F2SV-150T04	15±25%	100	0.25	400	50	125	10M
HSF1210F2SV-350T02	35±25%	100	0.30	200	50	125	10M
HSF1210F2SV-500T02	50±25%	100	0.30	250	50	125	10M
HSF1210F2SV-600T02	60±25%	100	0.30	250	50	125	10M
HSF1210F2SV-900T02	90±25%	100	0.40	200	50	125	10M

■ Impedance-Frequency Characteristics (Typical)



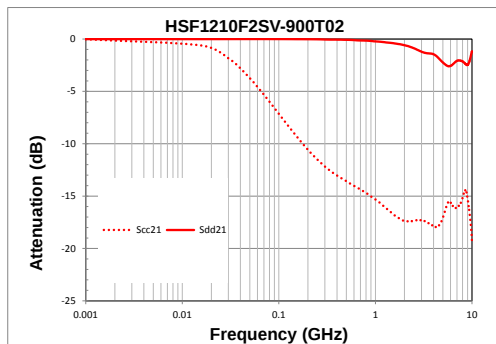
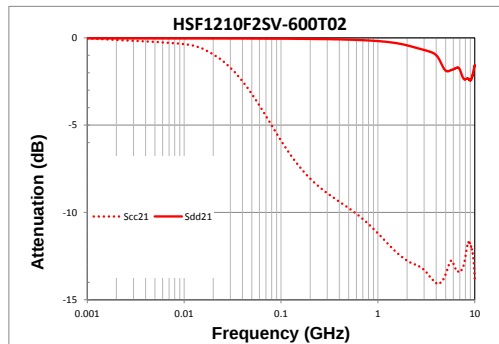
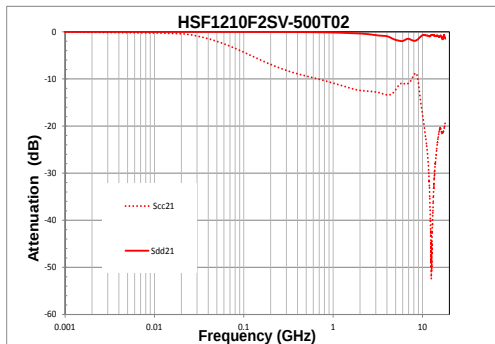
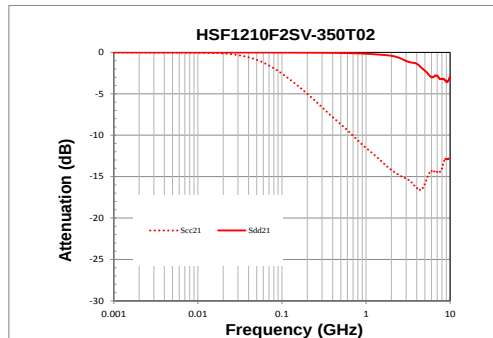
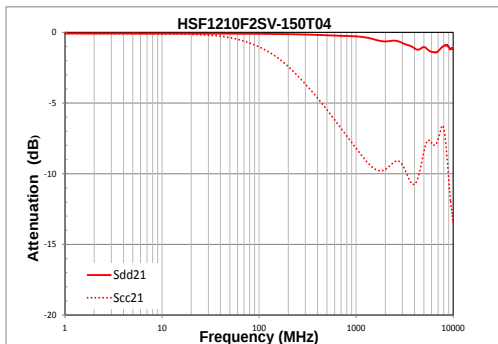
HSF 1210 Series

■ Impedance-Frequency Characteristics (Typical)

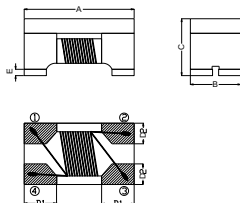
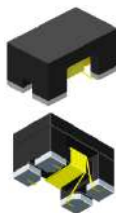

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For the latest specification, please visit our website: www.tai-tech.com.tw

■ Insertion Loss Test (Typical)



■ Dimensions



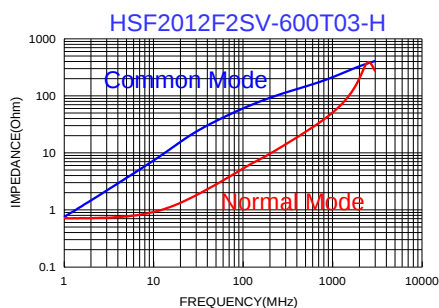
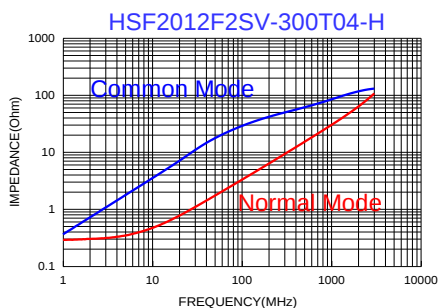
Dimensions	
A	2.00±0.20
B	1.20±0.20
C	1.20±0.20
D1	0.50±0.10
D2	0.51±0.10
E	0.15±0.10

Units: mm

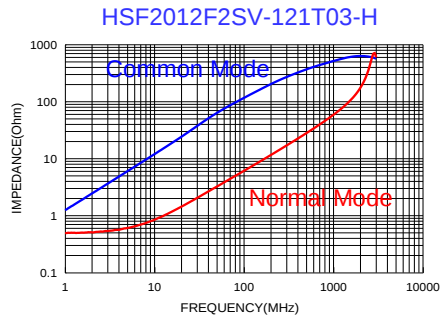
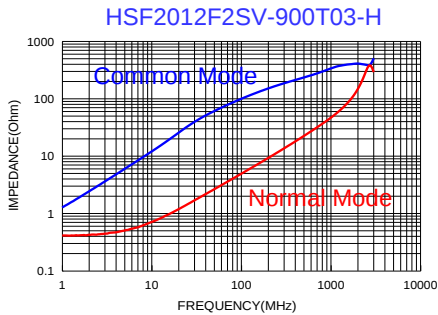
■ Specifications

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.
HSF2012F2SV-300T04-H	30±25%	100	0.20	400	50	125	10M
HSF2012F2SV-600T03-H	60±25%	100	0.30	300	50	125	10M
HSF2012F2SV-900T03-H	90±25%	100	0.30	300	50	125	10M
HSF2012F2SV-121T03-H	120±25%	100	0.35	330	50	125	10M

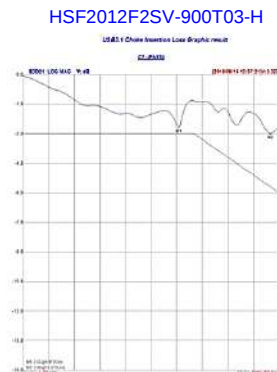
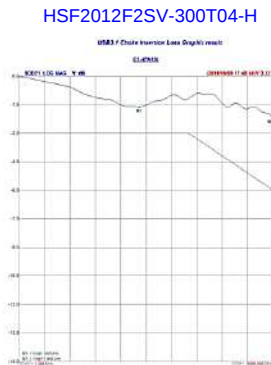
■ Impedance-Frequency Characteristics (Typical)



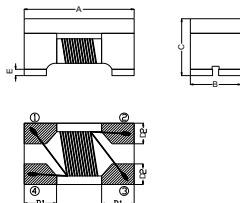
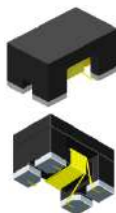
■ Impedance-Frequency Characteristics (Typical)



■ Insertion Loss Test (Typical)



■ Dimensions



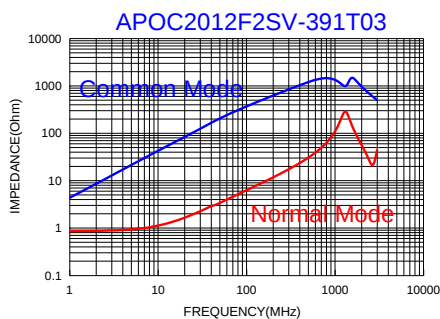
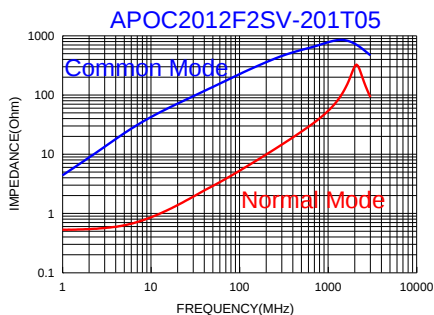
Dimensions	
A	2.00±0.20
B	1.20±0.20
C	1.20±0.20
D1	0.50±0.10
D2	0.51±0.10
E	0.15±0.10

Units: mm

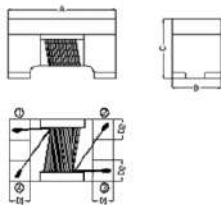
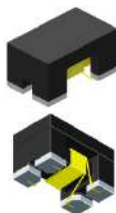
■ Specifications

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.
APOC2012F2SV-201T05	200±25%	100	0.135	500	50	125	10M
APOC2012F2SV-391T03	390±25%	100	0.350	300	50	125	10M

■ Impedance-Frequency Characteristics (Typical)



■ Dimensions



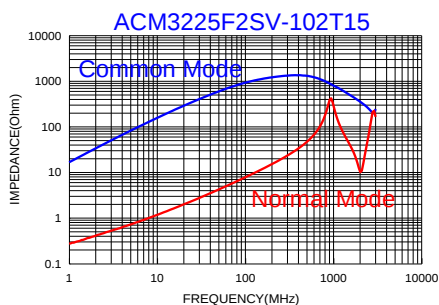
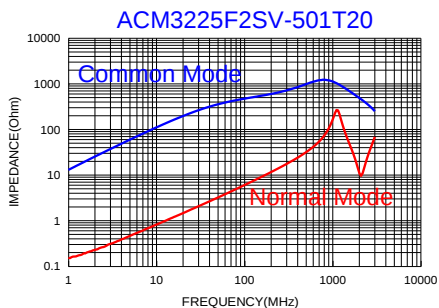
Dimensions	
A	3.20±0.20
B	2.50±0.20
C	2.20±0.20
D1	0.65±0.10
D2	1.00±0.10

Units: mm

■ Specifications

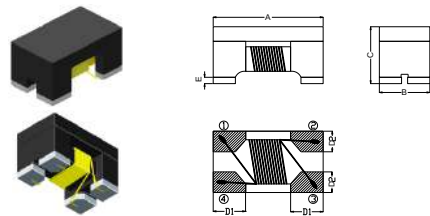
Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc) max.	IR (Ω) min.
ACM3225F2SV-501T20	500±25%	100	0.10	2000	60	10M
ACM3225F2SV-102T15	1000±25%	100	0.10	1500	60	10M

■ Impedance-Frequency Characteristics (Typical)





■ Dimensions



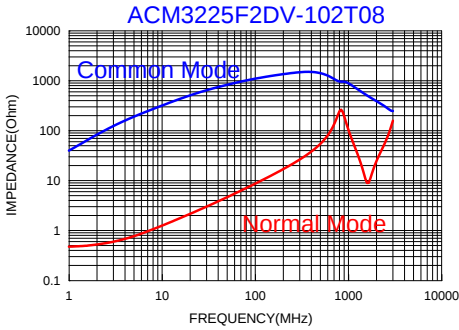
Dimensions	
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B	2.50±0.20
C	2.20±0.20
D1	0.65±0.10
D2	1.00±0.10

Units: mm

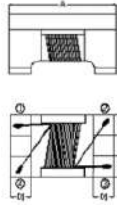
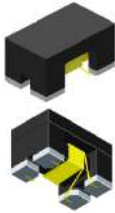
■ Specifications

Part Number	Common mode Impedance (Ω) [100MHz]	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated voltage (Vdc) max.	IR (MΩ) min.
ACM3225F2DV-102T08	1000±25%	0.15	800	80	10

■ Impedance-Frequency Characteristics (Typical)



■ Dimensions



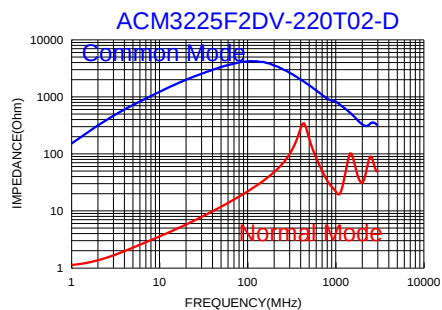
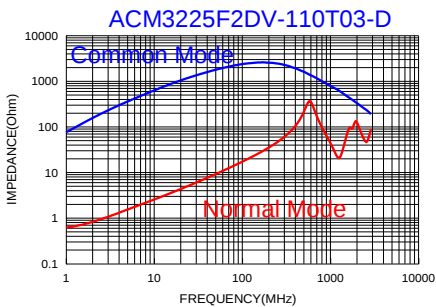
Dimensions	
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B	2.50±0.20
C	2.50 max
D1	0.55±0.15
D2	0.75±0.20

Units: mm

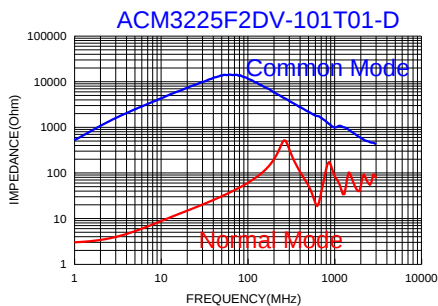
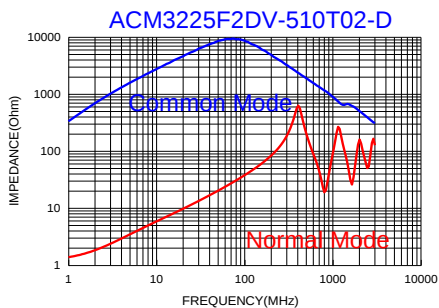
■ Specifications

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.
ACM3225F2DV-110T03-D	300 min	550 typ.	11	0.4	300	80	10M
ACM3225F2DV-220T02-D	500 min	1100 typ.	22	0.5	250	80	10M
ACM3225F2DV-510T02-D	1000 min	2600 typ.	51	0.7	200	80	10M
ACM3225F2DV-101T01-D	2200 min	5100 typ.	100	1.5	150	80	10M

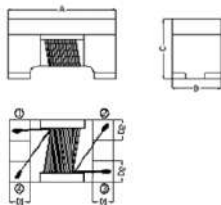
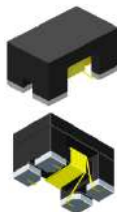
■ Impedance-Frequency Characteristics (Typical)



■ Impedance-Frequency Characteristics (Typical)



■ Dimensions



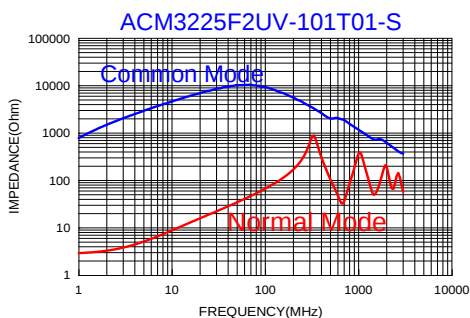
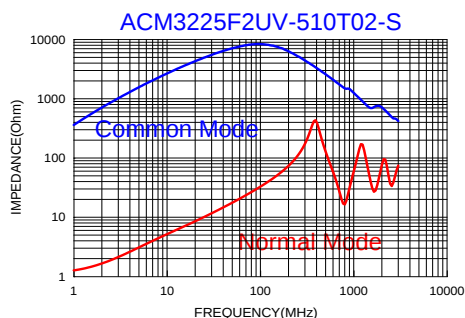
Dimensions	
A	3.30±0.20
B	2.50±0.20
C	2.50 max
D1	0.55±0.15
D2	1.00±0.20

Units: mm

■ Specifications

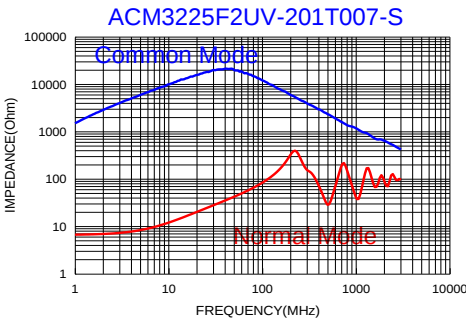
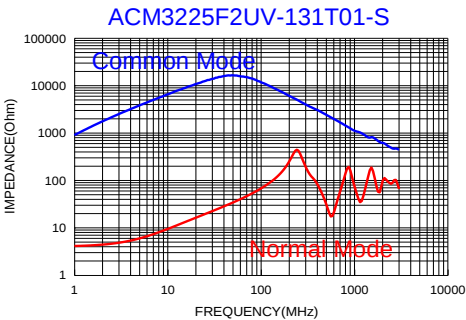
Part Number	Inductance (μ H) [100kHz/0.1V]	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated voltage (Vdc) max.	IR (M Ω) min.
ACM3225F2UV-510T02-S	51+50/-30%	0.7	200	80	10
ACM3225F2UV-101T01-S	100+50/-30%	1.5	150	80	10
ACM3225F2UV-131T01-S	130+30/-10%	3.5	115	80	10
ACM3225F2UV-201T007-S	200+30/-10%	5.5	70	80	10

■ Impedance-Frequency Characteristics (Typical)





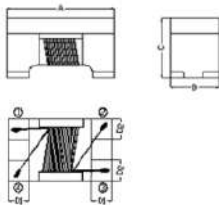
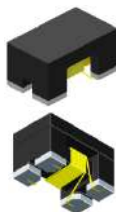
■ Impedance-Frequency Characteristics (Typical)



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■ Dimensions



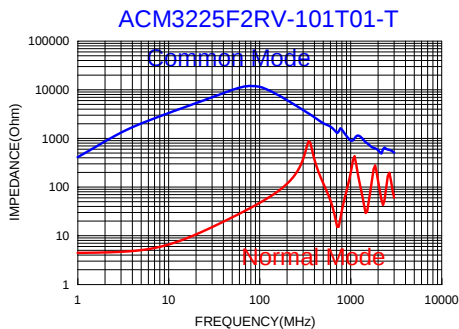
Dimensions	
A	3.30±0.20
B	2.50±0.20
C	2.50 max
D1	0.55±0.15
D2	1.00±0.20

Units: mm

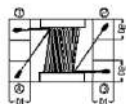
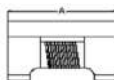
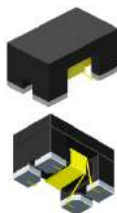
■ Specifications

Part Number	Inductance (μH) [100kHz/0.1V]		DC Resistance (Ω) $\pm 20\%$	Rated Current (mA) max.	Rated voltage (Vdc) max.	IR (M Ω) min.
ACM3225F2RV-101T01-T	100.(typ.)	80+50%/ -30%	2.60	100	80	10

■ Impedance-Frequency Characteristics (Typical)



■ Dimensions



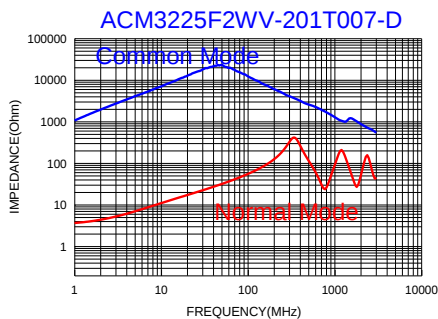
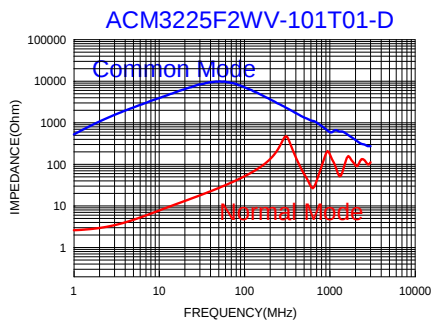
Dimensions	
A	3.30±0.20
B	2.50±0.20
C	2.50 max
D1	0.55±0.15
D2	0.75±0.20

Units: mm

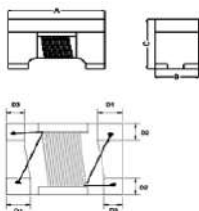
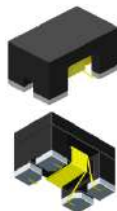
■ Specifications

Part Number	Inductance (μ H) [100kHz/0.1V]	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated voltage (Vdc) max.	IR (M Ω) min.
ACM3225F2WV-101T01-D	100 +50/-30%	1.5	150	80	10
ACM3225F2WV-201T007-D	200 +30/-10%	5.5	70	80	10

■ Impedance-Frequency Characteristics (Typical)



■ Dimensions



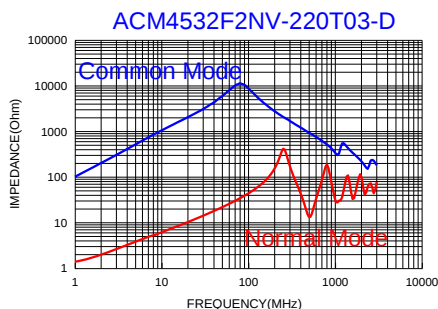
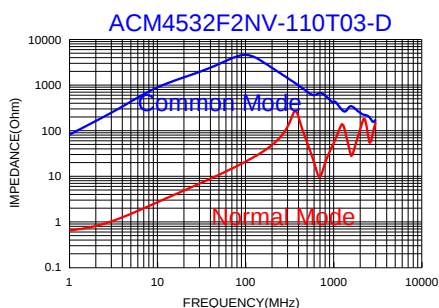
Dimensions	
A	4.50±0.20
B	3.20±0.20
C	2.80±0.20
D1	0.75±0.20
D2	0.85±0.20
D3	0.60±0.20

Units: mm

■ Specifications

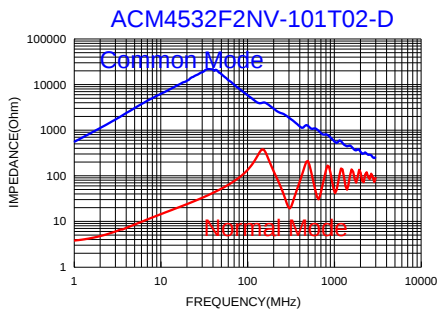
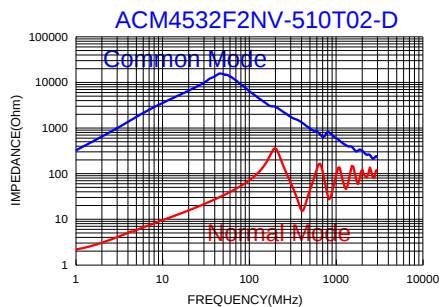
Part Number	Common mode Impedance (Ω) [10MHz]		Common mode Inductance (μH) +50/-30% [100KHz/0.1V]	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc) max.	IR (Ω) min.
ACM4532F2NV-110T03-D	300 min	600 typ.	11	0.6	360	50	10M
ACM4532F2NV-220T03-D	500 min	1200 typ.	22	1.0	310	50	10M
ACM4532F2NV-510T02-D	1000 min	2800 typ.	51	1.0	230	50	10M
ACM4532F2NV-101T02-D	2000 min	5800 typ.	100	2.0	200	50	10M

■ Impedance-Frequency Characteristics (Typical)

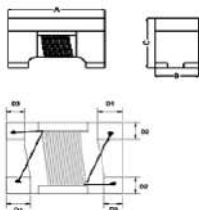
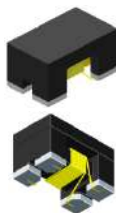




■ Impedance-Frequency Characteristics (Typical)



■ Dimensions



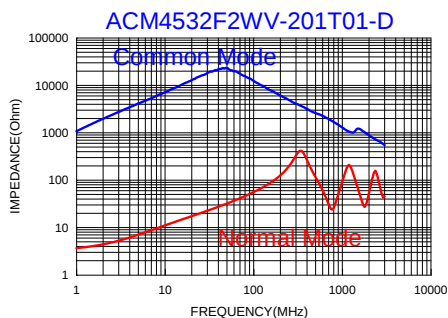
Dimensions	
A	4.50±0.20
B	3.20±0.20
C	2.80±0.15
D1	0.80±0.20
D2	0.85±0.20
D3	0.60±0.20

Units: mm

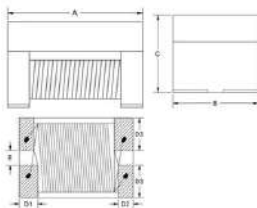
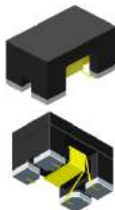
■ Specifications

Part Number	Inductance +60/-20(μH) [100kHz/0.1V]	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated voltage (Vdc) max.	IR (Ω) min.
ACM4532F2WV-201T01-D	200	4.5	100	50	10M

■ Impedance-Frequency Characteristics (Typical)



■ Dimensions



Dimensions	
A	4.60±0.20
B	3.20±0.20
C	2.90±0.15
D1	0.75±0.20
D2	0.60±0.20
D3	1.30±0.20
E	0.60±0.20

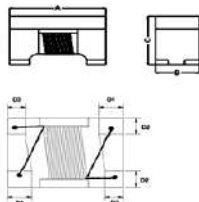
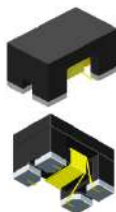
Units: mm

■ Specifications

Part Number	Inductance (μH)Typ. [100kHz/0.1V]		DC Resistance (Ω) max.		Insertion loss Max				Return Loss (Min) (Z OUT=100Ω±1%)		
					10-100MHz		100-400MHz		30-80MHz	200MHz	400MHz
	100		4.2		-1.0 dB		-1.7 dB		-22 dB	-17 dB	-15 dB
ACM4532F2NV-101-T	Common To Common- Mode Rejection (Min)				Common To Differential- Mode Rejection (Min)				Current Rating (mA)Max	Turns Ratio and Polarity	
	30-80MHz	200MHz	400MHz	1000MHz	10-30MHz	100MHz	200MHz	1000MHz			
	-45 dB	-35 dB	-32 dB	-25 dB	-60 dB	-47 dB	-40 dB	-38 dB	100	1.00±2%,PER SCHEMATIC	

Part Number	Inductance (μH)Typ. [100kHz/0.1V]		DC Resistance (Ω) max.		Insertion loss Max			Return Loss (Min) (Z OUT=100Ω±1%)		
					100 KHz	1-60 MHz	1-10MHz	30MHz	60MHz	
		160		5.0		-0.5 dB	-1.0 dB	-26 dB	-21.1 dB	-18 dB
ACM4532F2NV-161-T	Common To Common- Mode Rejection (Min)				Common To Differential- Mode Rejection (Min)			Current Rating (mA)Max	Turns Ratio and Polarity	
	1 MHz	10-100MHz	400MHz	1000MHz	1-10MHz	100MHz	1000MHz			
		-23 dB	-42 dB	-25 dB	-15 dB	-70 dB	-50 dB	-24 dB	100	1.00±2%,PER SCHEMATIC

■ Dimension



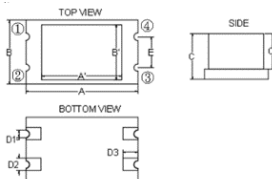
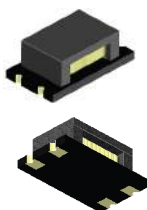
Dimensions	
A	6.50±0.30
B	4.50±0.20
C	2.70±0.20
D1	0.88±0.20
D2	0.90±0.20
D3	0.76±0.15

Units: mm

■ Specifications

Part Number		Inductance (uH) [100KHz/0.1V]	Insertion loss (dB Max)		Return Loss (dB Min)		
			100MHz	1-60MHz	1-10MHz	30MHz	60MHz
ACM65452F2NV-101-T		100 typ.	-3.0dB	-1.0dB	-28dB	-23dB	-18dB
Common Mode Rejection (dB Min)				Differential to Common Mode Rejection (dB Min)			Current Rating (mA)Max
1MHz	10MHz	60-100MHz	200-1000MHz	1-10MHz	100MHz	1000MHz	
-18dB	-35dB	-43dB	-30dB	-70dB	-50dB	-25dB	350

■ Dimensions



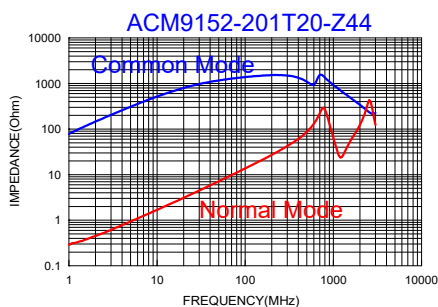
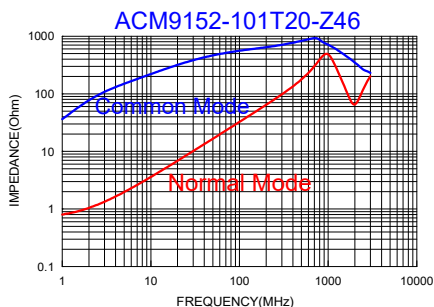
	Dimensions	
	ACM9152-Z44	ACM9152-Z46
A	9.10±0.20	9.10±0.20
A'	4.50±0.20	6.50±0.30
B	5.17±0.20	5.17±0.20
B'	3.20±0.20	4.50±0.20
C	3.90±0.20	3.80±0.20
C'	2.80±0.20	2.70±0.20
D1	0.60±0.10	0.60±0.10
D2	1.00±0.10	1.00±0.10
D3	1.20±0.10	1.20±0.10
E	2.50±0.20	2.50±0.20

Units: mm

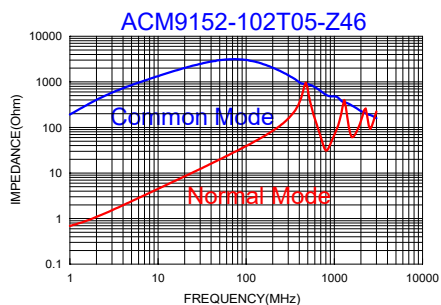
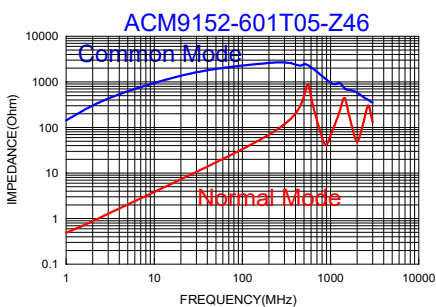
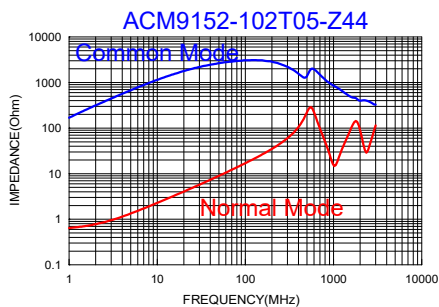
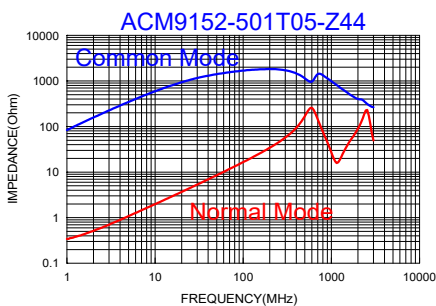
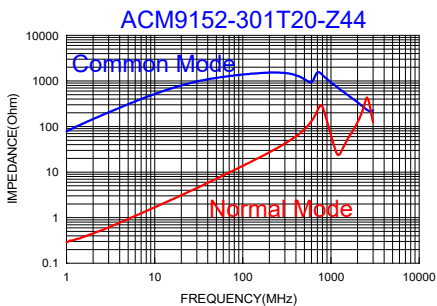
■ Specifications

Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (A) max.	Rated Volt. (Vdc) max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
ACM9152-101T20-Z46	100 min	20 to 100	0.10	2.0	50	250	100M
ACM9152-201T20-Z44	200 min	20 to 300	0.12	2.0	50	125	100M
ACM9152-301T20-Z44	300 min	6 to 20	0.12	2.0	50	125	100M
ACM9152-501T05-Z44	500 min, 1000typ.	10	0.15	0.5	80	200	100M
ACM9152-102T05-Z44	1000 min, 2000typ.	10	0.25	0.5	80	200	100M
ACM9152-601T05-Z46	600 min, 1000typ	10	0.25	0.5	80	200	100M
ACM9152-102T05-Z46	1000 min, 2000typ	10	0.30	0.5	80	200	100M

■ Impedance-Frequency Characteristics (Typical)



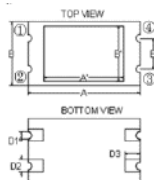
■ Impedance-Frequency Characteristics (Typical)



TAI-TECH

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For the latest specification, please visit our website: www.tai-tech.com.tw

■ Dimensions



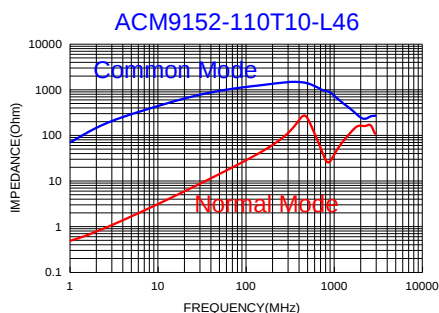
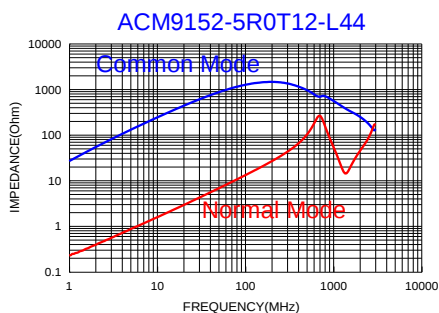
Dimensions		
	ACM9152-L44	ACM9152-L46
A	9.10±0.20	9.10±0.20
A'	4.50±0.20	6.50±0.30
B	5.17±0.20	5.17±0.20
B'	3.20±0.20	4.50±0.20
C	3.80±0.20	3.80±0.20
C'	2.80±0.20	2.70±0.20
D1	0.60±0.10	0.60±0.10
D2	1.00±0.10	1.00±0.10
D3	1.20±0.10	1.20±0.10
E	2.50±0.20	2.50±0.20

Units: mm

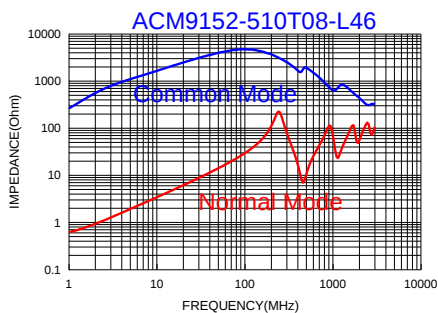
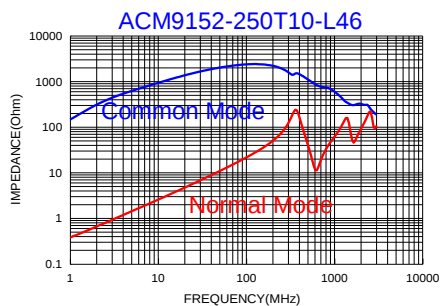
■ Specifications

Part Number	Inductance (μ H)±30% [100KHz/0.1V] (1-4)(2-3)	DC Resistance (Ω) (1-4)(2-3)	Rated Current (A) max	L Stray. typ. (nH)	V test V DC,2s
ACM9152-5R0T12-L44	5.0	0.06 typ.	1.2	40	250
ACM9152-110T10-L46	11.0	0.08 typ.	1.0	50	250
ACM9152-250T10-L46	25.0	0.11 typ.	1.0	60	250
ACM9152-510T08-L46	51.0	0.30 typ.	0.8	70	250

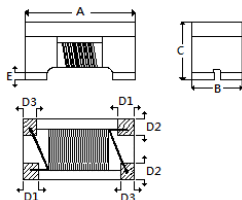
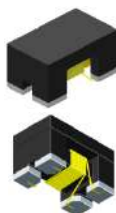
■ Impedance-Frequency Characteristics (Typical)



■ Impedance-Frequency Characteristics (Typical)



■ Dimensions



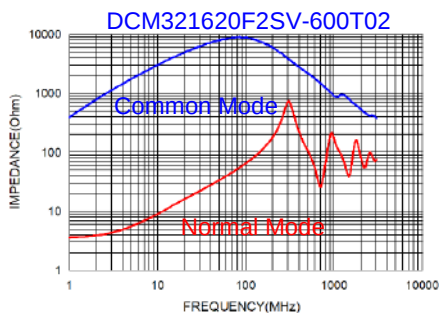
Dimensions	
A	3.40±0.20
B	1.60±0.20
C	2.00±0.20
D1	0.64±0.10
D2	0.58±0.10
D3	0.54±0.10
E	0.12typ

Units: mm

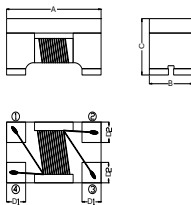
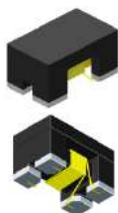
■ Specifications

Part Number	Inductance(μH) [100KHz/0.1V] min.	Capacitance (pF)Max	Insertion loss 1-100MHz (dB)		Return loss 1-100MHz (dB)	
	60	14	-0.7 typ.		-20 typ.	
DCM321620F2SV-600T02	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	

■ Impedance-Frequency Characteristics (Typical)



■ Dimensions



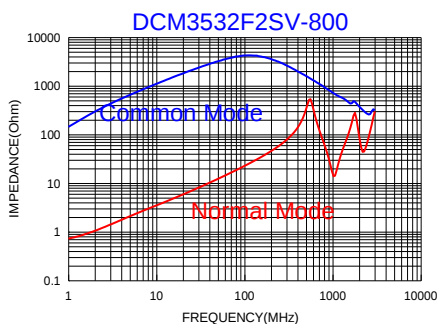
Dimensions	
A	3.50±0.20
B	3.20±0.20
C	2.20±0.20
D1	0.63±0.05
D2	1.18±0.05

Units: mm

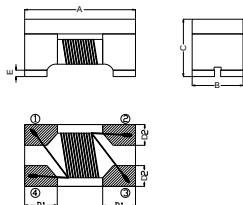
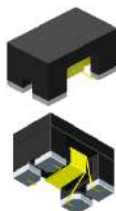
■ Specifications

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
DCM3532F2SV-800	75~160	1.3	200	50	10M	19

■ Impedance-Frequency Characteristics (Typical)



■ 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

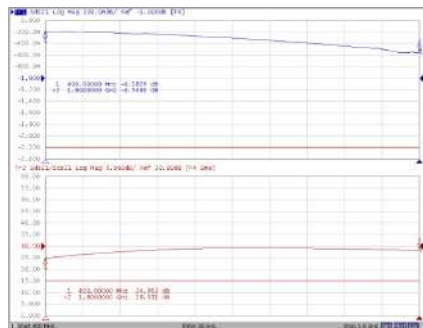
Units: mm

■ Specifications

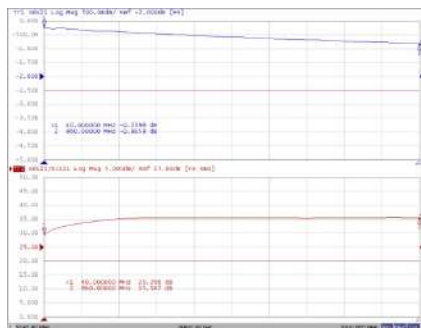
Part Number	UB/B Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Power (dBm) max.	Rated Volt. (DCV) max.	Withstand Volt.(DCV) max.	IR (MΩ) min.	Insertion Loss (dB) max.	CMRR (dB)
BCM2012F2SV-50011-TE2	50/50	400~1800	0.50	27	20	125	10	2.2	15(typ.)
BCM2012F2SV-50011-T02	50/50	40~ 860	1.00	27	20	125	10	2.5	20(typ.)
BCM2012F2SV-50011-MN2	50/50	100~1000	0.35	27	20	50	10	1.0	10(min.)
BCM2012F2SV-50011-ST2	50/50	45~870	1.00	27	20	50	10	1.2	20(min.)
BCM2012F2SV-75011-TE2	75/75	400~1800	0.50	27	20	125	10	2.0	15(typ.)
BCM2012F2SV-75011-T02	75/75	50~1200	0.70	27	20	125	10	1.2	20(typ.)
BCM2012F2SV-75011-MS2	75/75	1000~1500	0.59	27	20	50	10	1.4	20(min.)
BCM2012F2SV-75011-MT2	75/75	50~1200	0.77	27	20	50	10	50~870MHz:1.0 870~1200MHz:1.2	20(min.)
BCM2012F2SV-75011-SA2	75/75	45~870	0.88	27	20	50	10	1.0	20(min.)
BCM2012F2SV-75011-SB2	75/75	50~1200	0.70	27	20	50	10	1.2	20(min.)
BCM2012F2SV-75011-122	75/75	1000~1500	0.59	27	20	50	10	1.4	20(min.)

■ Characteristics (Typical)

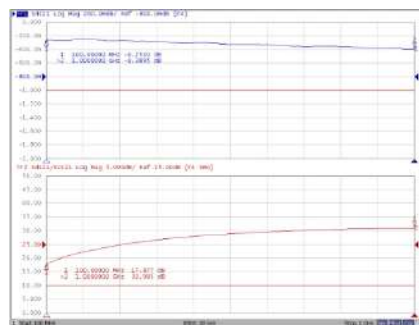
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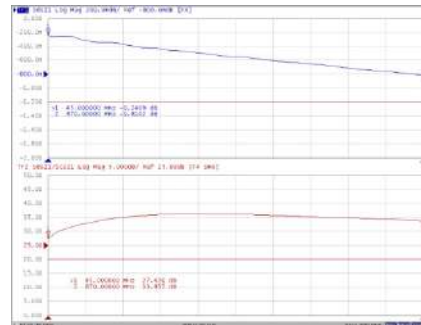
BCM2012F2SV-50011-T02



BCM2012F2SV-50011-MN2



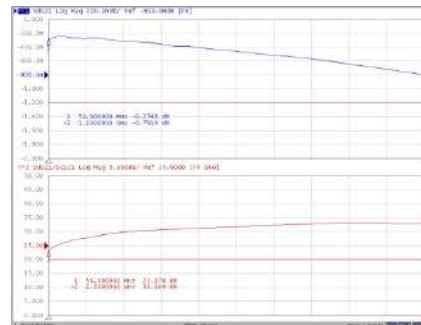
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BCM2012F2SV-75011-TE2



BCM2012F2SV-75011-T02

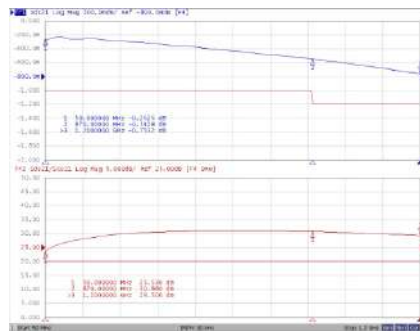


■ Characteristics (Typical)

BCM2012F2SV-75011-MS2



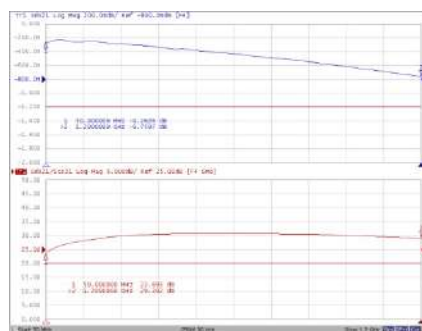
BCM2012F2SV-75011-MT2



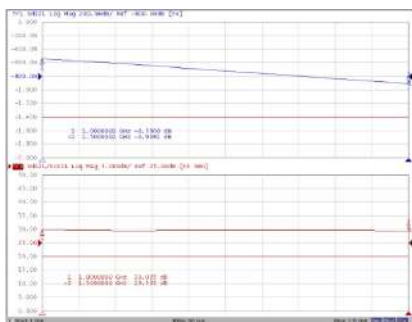
BCM2012F2SV-75011-SA2



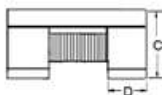
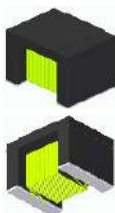
BCM2012F2SV-75011-SB2



BCM2012F2SV-75011-122



■ Dimensions



Dimensions	
A	2.00±0.20
B	1.20±0.20
C	1.60±0.20
D	0.48±0.10

Units: mm

■ Specifications

TAI-TECH Part Number	Ls(μH) (@1 MHz)	DCR (Ω) Max.	SRF (MHz) min.	Rated current(mA)		
				Isat(mA)	Based on temperature rise	
					Ambient temperature 105°C	Ambient temperature 125°C
APO201216NV-R47M	0.47 ± 20%	0.05	470	1000	1100	900
APO201216NV-R82M	0.82 ± 20%	0.09	360	800	800	700
APO201216NV-1R0M	1.00 ± 20%	0.13	320	700	700	600
APO201216NV-1R5M	1.50 ± 20%	0.18	260	550	550	500
APO201216NV-2R0M	2.00 ± 20%	0.29	230	450	450	400

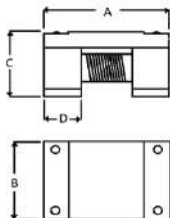
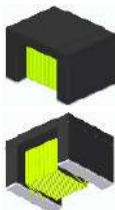
Note:

Isat: Applied the current to coils, the inductance change shall be less than 30% of initial value.

Ambient temperature (85°C/105°C): the part temperature (ambient temperature plus self-generation of heat) should be under 125°C.

Ambient temperature (125°C): the part temperature (ambient temperature plus self-generation of heat) should be under 130°C.

■ Dimensions



Dimensions

A	3.20±0.20
B	2.50±0.20
C	2.30±0.20
D	0.58±0.10

Units: mm

■ Specifications

Part Number	Ls (μH) (@1 MHz)	DCR (Ω) Max.	SRF (MHz min.)	Rated current(mA)			
				Isat(mA)	Based on temperature rise		
					Ambient temperature 85°C	Ambient temperature 105°C	Ambient temperature 125°C
APO322523NV-2R2M	2.2±20%	0.19	200	1000	1000	880	520
APO322523NV-2R7M	2.7±20%	0.22	200	975	975	860	510
APO322523NV-3R3M	3.3±20%	0.24	150	950	950	840	500
APO322523NV-4R7M	4.7±20%	0.28	100	850	850	720	400
APO322523NV-100M	10.0±20%	0.40	100	500	700	620	360
APO322523NV-220M	22.0±20%	0.62	50	400	550	500	280
APO322523NV-470M	47.0±20%	0.90	30	300	500	300	100

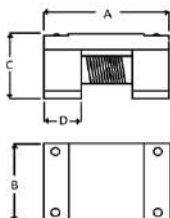
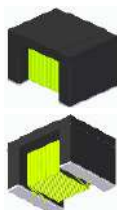
Note:

Isat: Applied the current to coils, the inductance change shall be less than 30% of initial value.

Ambient temperature (85°C/105°C): the part temperature (ambient temperature plus self-generation of heat) should be under 125°C.

Ambient temperature (125°C): the part temperature (ambient temperature plus self-generation of heat) should be under 130°C.

■ Dimensions



Dimensions	
A	3.20±0.20
B	2.50±0.20
C	2.30±0.20
D	0.58±0.10

Units: mm

■ Specifications

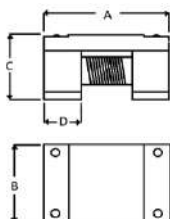
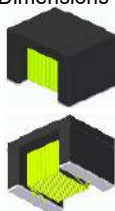
Part Number	Ls(μH) (@100KHz)	DCR (Ω) Max.	Rated current(mA)					
			Isat			Irms		
			25°C (mA) Typ.	105°C (mA) Typ.	125°C (mA) Typ.	25°C (mA) Typ.	105°C (mA) Typ.	125°C (mA) Typ.
APO322523TV-2R2M	2.2±20%	0.18	1100	1000	950	1350	1220	1045
APO322523TV-4R7M	4.7±20%	0.10	720	650	600	1500	1400	1300
APO322523TV-100M	10.0±20%	0.15	450	400	350	1300	1200	1100
APO322523TV-150M	15.0±20%	0.40	400	350	310	825	725	625

Note:

Isat : when based on the inductance change rate (30% below the initial L value)

Irms : When based on the temperature increase (temperature increase of 40°C by self-heating)

■ Dimensions



Dimensions	
A	3.20±0.20
B	2.50±0.20
C	3.00±0.20
D	0.58±0.10

Units: mm

■ Specifications

Part number	Ls (μH) @100K/0.1V	DCR (Ohms)		SRF Typ. (MHz)	Isat(mA) Typ.					Irms(mA) Typ.		
		Typ.	max		25°C	85°C	105°C	125°C	140°C	25°C	85°C	125°C
APO322530NV-2R2M	2.2±20%	0.10	0.13	300	2200	1900	1700	1500	1300	190	1730	1000
APO322530NV-6R8M	6.8±20%	0.20	0.24	120	1400	1000	930	800	700	136	1230	800
APO322530NV-100M	10.0±20%	0.29	0.34	95	1100	850	760	660	560	113	1020	570
APO322530NV-220M	22.0±20%	0.76	0.88	70	720	580	520	450	390	700	630	400

Note:

Maximum part temperature +140°C (ambient temperature plus self-generation of heat).

Isat : DC current that causes 30% inductance drop from its initial value at 200 mA at specified temperature.

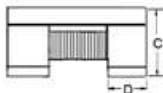
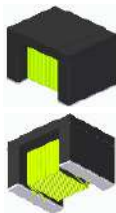
Irms: Current that causes a 40°C rise at 25°C.

Current that causes a 40°C rise at 85°C.

Current that causes a 15°C rise at 125°C.



■ Dimensions



Dimensions	
A	4.50±0.20
B	3.20±0.20
C	3.50±0.20
D	0.83±0.10

Units: mm

■ Specifications

Part Number	Ls(μH) (@1 MHz)	DCR (Ω) Max.	SRF (MHz) min.	Rated current(mA)		
				Isat(mA)	Based on temperature rise	
					Ambient temperature 105°C	Ambient temperature 125°C
APO453235NV-100M	10±20%	0.13	60	1000	1000	710
APO453235NV-180M	18±20%	0.16	40	800	845	600
APO453235NV-220M	22±20%	0.18	30	700	700	500

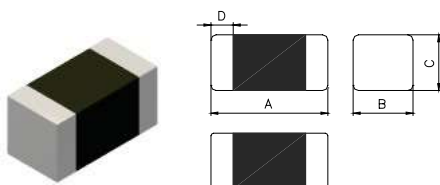
Note:

Isat: Applied the current to coils, the inductance change shall be less than 30% of initial value.

Ambient temperature (105°C): the part temperature (ambient temperature plus self-generation of heat) should be under 125°C.

Ambient temperature (125°C): the part temperature (ambient temperature plus self-generation of heat) should be under 130°C.

■ 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)			
FCI1005V-1R0□	1.0	60mV / 10M	20	10	15	0.90	40
FCI1005V-1R8□	1.8	60mV / 10M	20	10	15	1.45	30
FCI1005V-2R2□	2.2	60mV / 10M	20	10	10	1.70	28

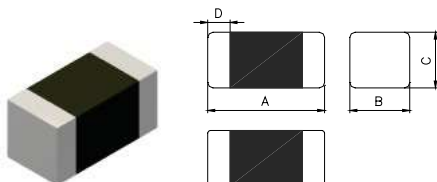
NOTE: □: TOLERANCE K=±10%, L=±15%, M=±20%



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■ Dimensions



Dimensions		
A	1.60±0.1	1.80±0.15
B	0.80±0.15	
C	0.80±0.15	
D	0.30±0.20	

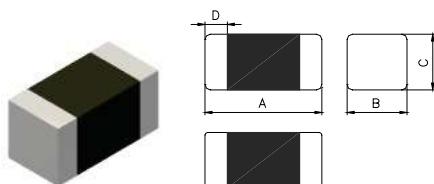
Units: mm

■ Specifications

Part Number	ThicknessA Size(mm)	Inductance(uH)		Q		Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
		(uH)	Test Frequency (Hz)	min.	Test Frequency(MHz)			
FCI1608V-47N□	1.60±0.15	0.047	60mV / 50M	10	50	50	0.30	260
FCI1608V-68N□	1.60±0.15	0.068	60mV / 50M	10	50	50	0.30	250
FCI1608V-82N□	1.60±0.15	0.082	60mV / 50M	10	50	50	0.30	245
FCI1608V-R10□	1.60±0.15	0.10	60mV / 25M	15	25	50	0.50	240
FCI1608V-R12□	1.60±0.15	0.12	60mV / 25M	15	25	50	0.50	205
FCI1608V-R15□	1.60±0.15	0.15	60mV / 25M	15	25	50	0.60	180
FCI1608V-R18□	1.60±0.15	0.18	60mV / 25M	15	25	50	0.60	165
FCI1608V-R22□	1.60±0.15	0.22	60mV / 25M	15	25	50	0.80	150
FCI1608V-R27□	1.60±0.15	0.27	60mV / 25M	15	25	50	0.80	136
FCI1608V-R33□	1.60±0.15	0.33	60mV / 25M	15	25	35	0.85	125
FCI1608V-R39□	1.60±0.15	0.39	60mV / 25M	15	25	35	1.00	110
FCI1608V-R47□	1.60±0.15	0.47	60mV / 25M	15	25	35	1.35	105
FCI1608V-R56□	1.60±0.15	0.56	60mV / 25M	15	25	35	1.55	95
FCI1608V-R68□	1.60±0.15	0.68	60mV / 25M	15	25	35	1.70	80
FCI1608V-R82□	1.60±0.15	0.82	60mV / 25M	15	25	35	2.10	75
FCI1608V-1R0□	1.60±0.15	1.0	60mV / 10M	30	10	25	0.60	70
FCI1608V-1R5□	1.60±0.15	1.5	60mV / 10M	30	10	25	0.80	55
FCI1608V-1R8□	1.60±0.15	1.8	60mV / 10M	30	10	25	0.95	50
FCI1608V-2R2□	1.60±0.15	2.2	60mV / 10M	30	10	15	1.15	45
FCI1608V-3R3□	1.60±0.15	3.3	60mV / 10M	30	10	15	1.55	38
FCI1608V-4R7□	1.60±0.15	4.7	60mV / 10M	30	10	15	2.10	33
FCI1608TV-100□	1.80±0.15	10	60mV / 2M	30	2	15	2.55	17

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

■ 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

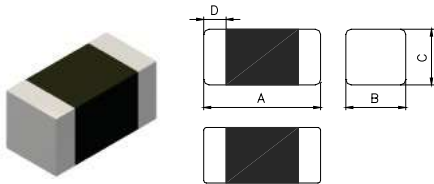
■ Specifications

Part Number	Thickness	Inductance(uH)		Q		Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
	C size(mm)	(uH)	Test Frequency (Hz)	min.	Test Frequency (MHz)			
FCI2012V-47N□	0.85±0.20	0.047	60mV / 50M	15	50	300	0.20	320
FCI2012V-R10□	0.85±0.20	0.10	60mV / 25M	20	25	250	0.30	235
FCI2012V-R12□	0.85±0.20	0.12	60mV / 25M	20	25	250	0.30	220
FCI2012V-R15□	0.85±0.20	0.15	60mV / 25M	20	25	250	0.40	200
FCI2012V-R18□	0.85±0.20	0.18	60mV / 25M	20	25	250	0.40	185
FCI2012V-R22□	0.85±0.20	0.22	60mV / 25M	20	25	250	0.50	170
FCI2012V-R27□	0.85±0.20	0.27	60mV / 25M	20	25	250	0.50	150
FCI2012V-R33□	0.85±0.20	0.33	60mV / 25M	20	25	250	0.55	145
FCI2012V-R39□	0.85±0.20	0.39	60mV / 25M	25	25	200	0.65	135
FCI2012V-R47□	1.25±0.20	0.47	60mV / 25M	25	25	200	0.65	125
FCI2012V-R56□	1.25±0.20	0.56	60mV / 25M	25	25	150	0.75	115
FCI2012V-R68□	1.25±0.20	0.68	60mV / 25M	25	25	150	0.80	105
FCI2012V-1R0□	0.85±0.20	1.0	60mV / 10M	45	10	50	0.40	75
FCI2012V-1R5□	0.85±0.20	1.5	60mV / 10M	45	10	50	0.50	60
FCI2012V-1R8□	0.85±0.20	1.8	60mV / 10M	45	10	50	0.60	55
FCI2012V-2R2□	0.85±0.20	2.2	60mV / 10M	45	10	30	0.65	50
FCI2012V-2R7□	1.25±0.20	2.7	60mV / 10M	45	10	30	0.75	45
FCI2012V-3R3□	1.25±0.20	3.3	60mV / 10M	45	10	30	0.80	41
FCI2012V-4R7□	1.25±0.20	4.7	60mV / 10M	45	10	30	1.00	35
FCI2012V-100□	1.25±0.20	10.0	60mV / 2M	45	2	15	1.15	24

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



■ 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(uH)		Q		Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
	(uH)	Test Frequency (Hz)	min.	Test Frequency (MHz)			
FCI3216V-1R0□	1.0	60mV / 10M	45	10	100	0.40	75
FCI3216V-2R2□	2.2	60mV / 10M	45	10	50	0.60	50
FCI3216V-4R7□	4.7	60mV / 10M	45	10	50	0.90	35
FCI3216V-100□	10.0	60mV / 2M	50	2	25	1.00	24

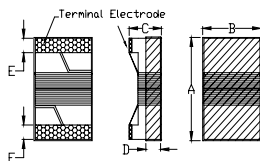
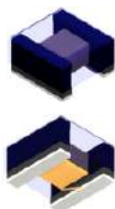
NOTE: □:TOLERANCE K=±10%,L=±15%,M=±20%



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■ 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.
SWF1608LV-47N□	0.047	K	0.5V/7.9M	17	7.9	1700	0.075	1500
SWF1608LV-72N□	0.072	K	0.5V/7.9M	17	7.9	1700	0.12	1500
SWF1608LV-R10□	0.10	K	0.5V/7.9M	17	7.9	1500	0.12	1500
SWF1608LV-R12□	0.12	K	0.5V/7.9M	17	7.9	1350	0.15	1500
SWF1608LV-R15□	0.15	K	0.5V/7.9M	17	7.9	1350	0.15	1450
SWF1608LV-R18□	0.18	K	0.5V/7.9M	17	7.9	1150	0.15	1400
SWF1608LV-R33□	0.33	K	0.5V/7.9M	17	7.9	850	0.46	900
SWF1608LV-R39□	0.39	K	0.5V/7.9M	17	7.9	810	0.51	1100
SWF1608LV-R47□	0.47	K	0.5V/7.9M	17	7.9	720	0.62	1050
SWF1608LV-R56□	0.56	K	0.5V/7.9M	17	7.9	600	0.44	850
SWF1608LV-R68□	0.68	K	0.5V/7.9M	17	7.9	600	0.52	850
SWF1608LV-R82□	0.82	K	0.5V/7.9M	17	7.9	480	0.69	750
SWF1608LV-R91□	0.91	K	0.5V/7.9M	17	7.9	330	0.76	670
SWF1608LV-1R0□	1.00	K	0.5V/7.9M	17	7.9	310	0.81	600
SWF1608LV-1R2□	1.20	K	0.5V/7.9M	17	7.9	270	0.87	550

NOTE: □:TOLERANCE J=±5%, K=±10%



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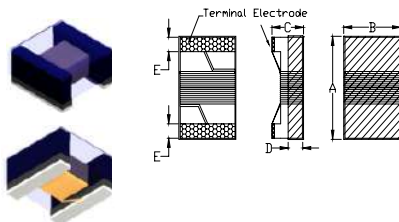


■ Specifications

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q typ.	Test Frequency (MHz)	SRF (MHz) typ.	DCR (Ω) max.	IDC (mA) max.
SWF1608LV-1R5□	1.5	K	0.5V/7.9M	17	7.9	270	1.06	540
SWF1608LV-1R8□	1.8	K	0.5V/7.9M	17	7.9	230	1.10	520
SWF1608LV-2R2□	2.2	K	0.5V/7.9M	17	7.9	130	1.20	500
SWF1608LV-2R7□	2.7	K	0.5V/7.9M	17	7.9	105	1.50	480
SWF1608LV-3R3□	3.3	K	0.5V/7.9M	17	7.9	84	1.50	440
SWF1608LV-3R9□	3.9	K	0.5V/7.9M	17	7.9	80	1.60	430
SWF1608LV-4R7□	4.7	J,K	0.5V/7.9M	18	7.9	69	2.10	420
SWF1608LV-5R6□	5.6	J,K	0.5V/7.9M	18	7.9	65	2.60	350
SWF1608LV-6R8□	6.8	J,K	0.5V/7.9M	19	7.9	55	3.10	330
SWF1608LV-7R8□	7.8	J,K	0.5V/7.9M	17	7.9	47	3.50	320
SWF1608LV-8R2□	8.2	J,K	0.5V/7.9M	17	7.9	42	3.80	300
SWF1608LV-100□	10.0	J,K	0.5V/7.9M	19	7.9	40	4.80	270

NOTE: □:TOLERANCE J=±5%, K=±10%

■ 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.
SWF1608CV-47N□	0.047	K,M	0.5V/7.96M	10	7.96	1500	0.075	1400
SWF1608CV-R10□	0.10	K,M	0.5V/7.96M	10	7.96	1150	0.13	1400
SWF1608CV-R12□	0.12	K,M	0.5V/7.96M	10	7.96	1100	0.15	1400
SWF1608CV-R15□	0.15	K,M	0.5V/7.96M	10	7.96	1050	0.15	1300
SWF1608CV-R18□	0.18	K,M	0.5V/7.96M	10	7.96	950	0.15	1300
SWF1608CV-R22□	0.22	K,M	0.5V/7.96M	10	7.96	800	0.15	950
SWF1608CV-R24□	0.24	K,M	0.5V/7.96M	10	7.96	800	0.31	620
SWF1608CV-R27□	0.27	K,M	0.5V/7.96M	10	7.96	775	0.20	710
SWF1608CV-R33□	0.33	K,M	0.5V/7.96M	10	7.96	725	0.35	620
SWF1608CV-R39□	0.39	K,M	0.5V/7.96M	10	7.96	620	0.39	600
SWF1608CV-R47□	0.47	K,M	0.5V/7.96M	10	7.96	540	0.43	570
SWF1608CV-R56□	0.56	K,M	0.5V/7.96M	10	7.96	525	0.47	550
SWF1608CV-R68□	0.68	K,M	0.5V/7.96M	10	7.96	460	0.52	470
SWF1608CV-R82□	0.82	K,M	0.5V/7.96M	10	7.96	410	0.69	400
SWF1608CV-1R0□	1.00	K,M	0.5V/7.96M	10	7.96	190	0.81	400
SWF1608CV-1R2□	1.20	K,M	0.5V/7.96M	10	7.96	160	0.87	370

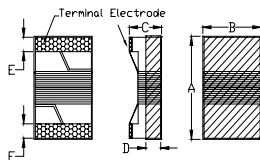
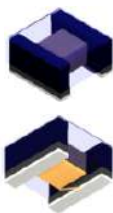
NOTE: □:TOLERANCE K=±10%, M=±20%

■ Specifications

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q min.	Test Frequency (MHz)	SRF (MHz) min.	DCR (Ω) max.	Rated Current (mA) max.
SWF1608CV-1R5□	1.5	K,M	0.5V/7.96M	10	7.96	100	0.96	350
SWF1608CV-1R8□	1.8	K,M	0.5V/7.96M	10	7.96	80	1.10	350
SWF1608CV-2R2□	2.2	K,M	0.5V/7.96M	10	7.96	68	1.20	320
SWF1608CV-3R3□	3.3	K,M	0.5V/7.96M	10	7.96	42	1.50	280
SWF1608CV-3R9□	3.9	K,M	0.5V/7.96M	10	7.96	40	1.50	280
SWF1608CV-4R7□	4.7	K,M	0.5V/7.96M	10	7.96	34	2.10	260
SWF1608CV-5R6□	5.6	K,M	0.5V/7.96M	10	7.96	32	2.60	240
SWF1608CV-6R8□	6.8	K,M	0.5V/7.96M	10	7.96	31	3.10	200
SWF1608CV-8R2□	8.2	K,M	0.5V/7.96M	10	7.96	26	4.40	190
SWF1608CV-100□	10.0	K,M	0.5V/2.52M	10	2.52	25	4.80	180

NOTE: □:TOLERANCE K=±10%, M=±20%

■ 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

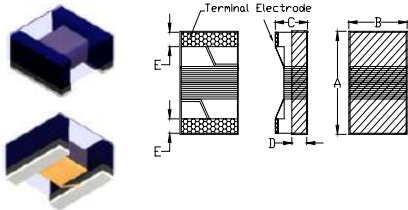
■ Specifications

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q min.	Test Frequency (MHz)	SRF (MHz) min.	DCR (Ω) max.	Rated Current (mA) max.
SWF2012CV-R47□	0.47	K,M	0.5V/7.96M	10	7.96	720	0.20	750
SWF2012CV-R56□	0.56	K,M	0.5V/7.96M	10	7.96	665	0.21	730
SWF2012CV-R68□	0.68	K,M	0.5V/7.96M	10	7.96	565	0.28	670
SWF2012CV-R82□	0.82	K,M	0.5V/7.96M	10	7.96	545	0.31	650
SWF2012CV-1R0□	1.00	K,M	0.5V/7.96M	10	7.96	525	0.34	615
SWF2012CV-1R2□	1.20	K,M	0.5V/7.96M	10	7.96	473	0.39	550
SWF2012CV-1R5□	1.50	K,M	0.5V/7.96M	10	7.96	300	0.45	520
SWF2012CV-1R8□	1.80	K,M	0.5V/7.96M	10	7.96	230	0.48	500
SWF2012CV-2R2□	2.20	K,M	0.5V/7.96M	10	7.96	215	0.67	420
SWF2012CV-2R7□	2.70	K,M	0.5V/7.96M	10	7.96	140	0.74	410
SWF2012CV-3R3□	3.30	K,M	0.5V/7.96M	10	7.96	95	0.81	385
SWF2012CV-3R9□	3.90	K,M	0.5V/7.96M	10	7.96	57	0.88	372
SWF2012CV-4R7□	4.70	K,M	0.5V/7.96M	10	7.96	51	0.99	345
SWF2012CV-5R6□	5.60	K,M	0.5V/7.96M	10	7.96	44	1.06	335
SWF2012CV-6R8□	6.80	K,M	0.5V/7.96M	10	7.96	39	1.21	315
SWF2012CV-8R2□	8.20	K,M	0.5V/7.96M	10	7.96	33	1.33	295
SWF2012CV-100□	10.0	K,M	0.5V/2.52M	10	2.52	30	1.79	260
SWF2012CV-120□	12.0	K,M	0.5V/2.52M	10	2.52	27	1.98	250
SWF2012CV-150□	15.0	K,M	0.5V/2.52M	10	2.52	22	2.68	215
SWF2012CV-180□	18.0	K,M	0.5V/2.52M	10	2.52	20	3.12	195
SWF2012CV-220□	22.0	K,M	0.5V/2.52M	10	2.52	18	3.48	180
SWF2012CV-270□	27.0	K,M	0.5V/2.52M	10	2.52	16	3.84	170
SWF2012CV-330□	33.0	K,M	0.5V/2.52M	10	2.52	15	4.34	145

NOTE: □:TOLERANCE K=±10%, M=±20%



■ 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.
SWF2520CV-1R0□	1.00	K,M	0.5V/7.96M	12	7.96	345	0.13	1000
SWF2520CV-1R5□	1.50	K,M	0.5V/7.96M	12	7.96	100	0.17	850
SWF2520CV-2R2□	2.20	K,M	0.5V/7.96M	12	7.96	78	0.21	775
SWF2520CV-3R3□	3.30	K,M	0.5V/7.96M	12	7.96	48	0.26	715
SWF2520CV-4R7□	4.70	K,M	0.5V/7.96M	12	7.96	46	0.52	505
SWF2520CV-6R8□	6.80	K,M	0.5V/7.96M	12	7.96	33	0.72	432
SWF2520CV-8R2□	8.20	K,M	0.5V/2.52M	12	2.52	30	0.76	410
SWF2520CV-100□	10.0	K,M	0.5V/2.52M	12	2.52	28	0.86	392
SWF2520CV-150□	15.0	K,M	0.5V/2.52M	12	2.52	21	1.09	342
SWF2520CV-220□	22.0	K,M	0.5V/2.52M	12	2.52	18	1.96	260
SWF2520CV-330□	33.0	K,M	0.5V/2.52M	12	2.52	15	2.47	236

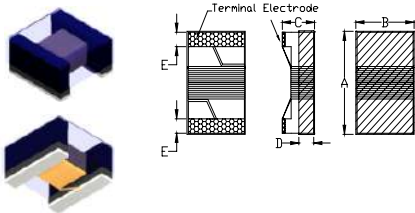
NOTE: □:TOLERANCE K=±10%, M=±20%

SWF 3225CV Series

(1210 inch -55~+125)



■ Dimensions



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

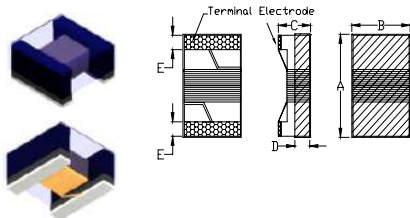
Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q min.	Test Frequency (MHz)	SRF (MHz) min.	DCR (Ω) max.	Rated Current (mA) max.
SWF3225CV-1R0□	1.00	K,M	0.5V/7.96M	10	7.96	290	0.12	1200
SWF3225CV-1R5□	1.50	K,M	0.5V/7.96M	10	7.96	260	0.13	1000
SWF3225CV-2R2□	2.20	K,M	0.5V/7.96M	10	7.96	190	0.17	880
SWF3225CV-3R3□	3.30	K,M	0.5V/7.96M	10	7.96	64	0.22	775
SWF3225CV-4R7□	4.70	K,M	0.5V/7.96M	10	7.96	54	0.26	710
SWF3225CV-6R8□	6.80	K,M	0.5V/7.96M	10	7.96	34	0.30	660
SWF3225CV-100□	10.0	K,M	0.5V/2.52M	10	2.52	25	0.39	570
SWF3225CV-150□	15.0	K,M	0.5V/2.52M	10	2.52	17	0.66	440
SWF3225CV-220□	22.0	K,M	0.5V/2.52M	10	2.52	16	0.82	400
SWF3225CV-330□	33.0	K,M	0.5V/2.52M	10	2.52	12	1.50	285
SWF3225CV-390□	39.0	K,M	0.5V/2.52M	10	2.52	12	1.66	270
SWF3225CV-470□	47.0	K,M	0.5V/2.52M	10	2.52	10	1.90	260
SWF3225CV-680□	68.0	K,M	0.5V/2.52M	10	2.52	9.0	2.29	235
SWF3225CV-101□	100	K,M	0.5V/1M	10	1.00	7.0	3.48	190
SWF3225CV-151□	150	K,M	0.5V/1M	10	1.00	5.0	6.55	140
SWF3225CV-221□	220	K,M	0.5V/1M	10	1.00	4.0	8.23	115
SWF3225CV-331□	330	K,M	0.5V/1M	10	1.00	2.8	13.7	98
SWF3225CV-471□	470	K,M	0.5V/1M	10	1.00	2.6	18.1	86
SWF3225CV-681□	680	K,M	0.5V/1M	10	1.00	2.3	22.0	76

NOTE: □:TOLERANCE K=±10%, M=±20%

■ 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

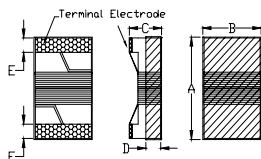
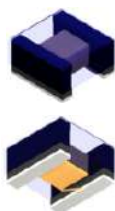
Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q/MHz Typ.	SRF (MHz) Typ.	DCR (Ω) ±30%	Isat (mA) Typ.	Irms (mA) Typ.
SWF1608RIV-R10□	0.10	K,M	0.5V/7.9M	13/7.9	1150	0.063	1700	1400
SWF1608RIV-R15□	0.15	K,M	0.5V/7.9M	13/7.9	1050	0.074	1700	1300
SWF1608RIV-R27□	0.27	K,M	0.5V/7.9M	13/7.9	1000	0.12	1400	1100
SWF1608RIV-R33□	0.33	K,M	0.5V/7.9M	13/7.9	1100	0.13	1300	1000
SWF1608RIV-R47□	0.47	K,M	0.5V/7.9M	13/7.9	900	0.18	1100	900
SWF1608RIV-R56□	0.56	K,M	0.5V/7.9M	13/7.9	630	0.20	1100	800
SWF1608RIV-R68□	0.68	K,M	0.5V/7.9M	13/7.9	510	0.22	900	750
SWF1608RIV-1R0□	1.0	K,M	0.5V/7.9M	16/7.9	390	0.32	860	700
SWF1608RIV-1R5□	1.5	K,M	0.5V/7.9M	16/7.9	160	0.40	720	600
SWF1608RIV-2R2□	2.2	K,M	0.5V/7.9M	16/7.9	103	0.56	600	580
SWF1608RIV-3R3□	3.3	K,M	0.5V/7.9M	16/7.9	66	0.70	500	500
SWF1608RIV-4R7□	4.7	K,M	0.5V/7.9M	16/7.9	51	0.97	400	420
SWF1608RIV-5R6□	5.6	K,M	0.5V/7.9M	16/7.9	47	1.10	380	380
SWF1608RIV-6R8□	6.8	K,M	0.5V/7.9M	16/7.9	43	1.50	340	340
SWF1608RIV-8R2□	8.2	K,M	0.5V/7.9M	16/7.9	40	1.68	300	300
SWF1608RIV-100□	10	K,M	0.5V/2.5M	14/2.5	36	1.85	280	280
SWF1608RIV-150□	15	K,M	0.5V/2.5M	14/2.5	29	2.60	240	240
SWF1608RIV-180□	18	K,M	0.5V/2.5M	14/2.5	28	2.90	220	220
SWF1608RIV-220□	22	K,M	0.5V/2.5M	14/2.5	24	3.61	200	200

NOTE: □: TOLERANCE K=±10%, M=±20%

■ 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

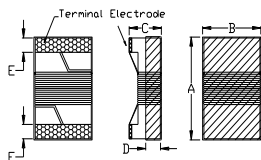
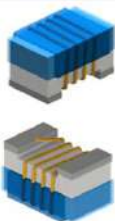
Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q/MHz Typ.	SRF (MHz) Typ.	DCR (Ω) ±30%	IDC (mA) Typ.	Irms (mA) Typ.
SWF2012RIV-R10□	0.10	K,M	0.5V/7.9M	10/7.9	1600	0.06	1900	2000
SWF2012RIV-R22□	0.22	K,M	0.5V/7.9M	13/7.9	1550	0.08	1600	1700
SWF2012RIV-R33□	0.33	K,M	0.5V/7.9M	13/7.9	1150	0.09	1400	1500
SWF2012RIV-R47□	0.47	K,M	0.5V/7.9M	13/7.9	800	0.10	1300	1400
SWF2012RIV-R56□	0.56	K,M	0.5V/7.9M	13/7.9	750	0.13	1200	1300
SWF2012RIV-R68□	0.68	K,M	0.5V/7.9M	13/7.9	700	0.14	1100	1200
SWF2012RIV-R82□	0.82	K,M	0.5V/7.9M	13/7.9	350	0.15	1000	1100
SWF2012RIV-1R0□	1.00	K,M	0.5V/7.9M	14/7.9	208	0.13	1100	1300
SWF2012RIV-2R2□	2.20	K,M	0.5V/7.9M	13/7.9	87	0.22	740	1040
SWF2012RIV-3R3□	3.30	K,M	0.5V/7.9M	12/7.9	70	0.30	620	800
SWF2012RIV-4R7□	4.70	K,M	0.5V/7.9M	14/7.9	51	0.43	520	840
SWF2012RIV-6R8□	6.80	K,M	0.5V/7.9M	14/7.9	46	0.68	420	700
SWF2012RIV-8R2□	8.20	K,M	0.5V/7.9M	14/7.9	33	0.73	400	680
SWF2012RIV-100□	10.0	K,M	0.5V/2.5M	14/2.5	31	0.85	360	560
SWF2012RIV-150□	15.0	K,M	0.5V/2.5M	15/2.5	28	1.40	300	380
SWF2012RIV-220□	22.0	K,M	0.5V/2.5M	15/2.5	20	1.76	240	340

NOTE: □: TOLERANCE K=±10%, M=±20%

■ 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.
SWI0603V-2N0□	2.0	C,S	0.1V/250M	13	700	0.07	8000
SWI0603V-3N9□	3.9	C,S	0.1V/250M	22	700	0.07	6900
SWI0603V-4N7□	4.7	C,J,K	0.1V/250M	20	700	0.12	5800
SWI0603V-6N8□	6.8	C,J,K	0.1V/250M	27	700	0.08	5800
SWI0603V-8N2□	8.2	C,J,K	0.1V/250M	30	700	0.13	4200
SWI0603V-10N□	10	J,K	0.1V/250M	31	700	0.13	4800
SWI0603V-12N□	12	J,K	0.1V/250M	35	700	0.13	4000
SWI0603V-15N□	15	J,K	0.1V/250M	35	700	0.13	4000
SWI0603V-18N□	18	J,K	0.1V/250M	35	700	0.16	3100
SWI0603V-22N□	22	J,K	0.1V/250M	38	700	0.23	3000
SWI0603V-24N□	24	J,K	0.1V/250M	38	700	0.13	2800
SWI0603V-27N□	27	J,K	0.1V/250M	40	600	0.14	2800
SWI0603V-33N□	33	J,K	0.1V/250M	40	600	0.22	2300
SWI0603V-39N□	39	J,K	0.1V/250M	40	600	0.30	2200
SWI0603V-47N□	47	J,K	0.1V/200M	38	600	0.35	2000
SWI0603V-56N□	56	J,K	0.1V/200M	38	600	0.37	1900
SWI0603V-68N□	68	J,K	0.1V/200M	37	600	0.43	1700
SWI0603V-72N□	72	J,K	0.1V/150M	34	400	0.42	1700
SWI0603V-82N□	82	J,K	0.1V/150M	34	400	0.71	1700

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



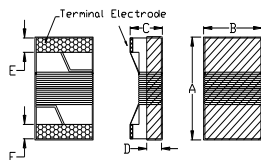
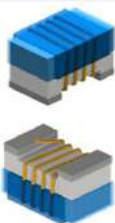
■ Specifications

Part Number	Inductance (nH)	Tolerance	Test Frequency (Hz)	Q @ 250MHz Min.	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
SWI0603V-R10□	100	J,K	0.1V/150M	34	400	0.78	1400
SWI0603V-R12□	120	J,K	0.1V/150M	32	300	0.84	1300
SWI0603V-R15□	150	J,K	0.1V/150M	28	280	0.96	990
SWI0603V-R18□	180	J,K	0.1V/100M	25	240	1.52	990
SWI0603V-R22□	220	J,K	0.1V/100M	25	200	2.02	900
SWI0603V-R27□	270	J,K	0.1V/100M	24	170	2.36	900
SWI0603V-R33□	330	J,K	0.1V/100M	24	185	3.40	700
SWI0603V-R39□	390	J,K	0.1V/100M	24	100	3.60	900

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



■ 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.
SWI0805UV-2N8□	2.8	C,S	0.1V/250M	80/1500	800	0.06	7900
SWI0805UV-3N0□	3.0	C,S	0.1V/250M	65/1500	800	0.06	7900
SWI0805UV-3N3□	3.3	C,S	0.1V/250M	50/1500	600	0.08	7900
SWI0805UV-5N6□	5.6	C,S	0.1V/250M	65/1000	600	0.08	5500
SWI0805UV-6N8□	6.8	C,J	0.1V/250M	50/1000	600	0.11	5500
SWI0805UV-7N5□	7.5	C,J	0.1V/250M	50/1000	600	0.14	4500
SWI0805UV-8N2□	8.2	C,J	0.1V/250M	50/1000	600	0.12	4700
SWI0805UV-10N□	10	G,J	0.1V/250M	60/500	600	0.10	4200
SWI0805UV-12N□	12	G,J	0.1V/250M	50/500	600	0.15	4000
SWI0805UV-15N□	15	G,J	0.1V/250M	50/500	600	0.17	3400
SWI0805UV-18N□	18	G,J	0.1V/250M	50/500	600	0.20	3300
SWI0805UV-22N□	22	G,J	0.1V/250M	55/500	500	0.22	2600
SWI0805UV-24N□	24	G,J	0.1V/250M	50/500	500	0.22	2000
SWI0805UV-27N□	27	G,J	0.1V/250M	55/500	500	0.25	2500
SWI0805UV-33N□	33	G,J	0.1V/250M	60/500	500	0.27	2050
SWI0805UV-36N□	36	G,J	0.1V/250M	55/500	500	0.27	1700
SWI0805UV-39N□	39	G,J	0.1V/250M	60/500	500	0.29	2000
SWI0805UV-43N□	43	G,J	0.1V/200M	60/500	500	0.34	1650
SWI0805UV-47N□	47	G,J	0.1V/200M	60/500	500	0.31	1650

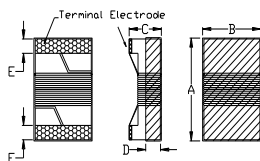
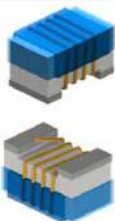
NOTE: □:TOLERANCE C=±0.2nH, S=±0.3nH, J=±5%, K=±10%

■ Specifications

Part Number	Inductance (nH)	Tolerance	Test Frequency (Hz)	Q @ Test Freq min.	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
SWI0805UV-56N□	56	G,J	0.1V/200M	60/500	500	0.34	1550
SWI0805UV-68N□	68	G,J	0.1V/200M	60/500	500	0.38	1450
SWI0805UV-82N□	82	G,J	0.1V/150M	65/500	400	0.42	1300
SWI0805UV-91N□	91	G,J	0.1V/150M	65/500	400	0.48	1200
SWI0805UV-R10□	100	G,J	0.1V/150M	65/500	400	0.46	1200
SWI0805UV-R11□	110	G,J	0.1V/150M	50/250	400	0.48	1000
SWI0805UV-R12□	120	G,J	0.1V/150M	50/250	400	0.51	1100
SWI0805UV-R15□	150	G,J	0.1V/100M	50/250	400	0.56	920
SWI0805UV-R18□	180	G,J	0.1V/100M	50/250	400	0.64	870
SWI0805UV-R20□	200	G,J	0.1V/100M	50/250	400	0.68	860
SWI0805UV-R22□	220	G,J	0.1V/100M	50/250	400	0.70	850
SWI0805UV-R24□	240	G,J	0.1V/100M	44/250	350	1.00	690
SWI0805UV-R25□	250	G,J	0.1V/100M	45/250	350	1.20	660
SWI0805UV-R27□	270	G,J	0.1V/100M	48/250	350	1.00	650
SWI0805UV-R33□	330	G,J	0.1V/100M	48/250	310	1.40	600
SWI0805UV-R39□	390	G,J	0.1V/100M	48/250	290	1.50	560
SWI0805UV-R47□	470	G,J	0.1V/50M	33/100	250	1.70	375
SWI0805UV-R56□	560	G,J	0.1V/25M	23/50	230	1.90	340
SWI0805UV-R62□	620	G,J	0.1V/25M	23/50	210	2.20	220
SWI0805UV-R68□	680	G,J	0.1V/25M	23/50	190	2.20	188
SWI0805UV-R82□	820	G,J	0.1V/25M	23/50	180	2.35	215
SWI0805UV-1R0□	1000	G,J	0.1V/25M	20/50	170	2.50	100
SWI0805UV-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%

■ 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.
SWI1008UV-10N□	10	G, J, K	0.1V/50M	50/500	1000	0.08	4100
SWI1008UV-12N□	12	G, J, K	0.1V/50M	50/500	1000	0.09	3300
SWI1008UV-15N□	15	G, J, K	0.1V/50M	50/500	1000	0.18	2500
SWI1008UV-18N□	18	G, J, K	0.1V/50M	50/350	1000	0.11	2500
SWI1008UV-22N□	22	G, J, K	0.1V/50M	55/350	1000	0.12	2400
SWI1008UV-27N□	27	G, J, K	0.1V/50M	55/350	1000	0.13	1600
SWI1008UV-33N□	33	G, J, K	0.1V/50M	60/350	1000	0.14	1600
SWI1008UV-39N□	39	G, J, K	0.1V/50M	60/350	1000	0.15	1500
SWI1008UV-47N□	47	G, J, K	0.1V/50M	65/350	1000	0.16	1500
SWI1008UV-56N□	56	G, J, K	0.1V/50M	65/350	1000	0.18	1300
SWI1008UV-68N□	68	G, J, K	0.1V/50M	65/350	1000	0.20	1300
SWI1008UV-82N□	82	G, J, K	0.1V/50M	60/350	1000	0.22	1000
SWI1008UV-R10□	100	G, J, K	0.1V/25M	60/350	650	0.56	1000
SWI1008UV-R12□	120	G, J, K	0.1V/25M	60/350	650	0.63	950
SWI1008UV-R15□	150	G, J, K	0.1V/25M	45/100	580	0.70	850
SWI1008UV-R18□	180	G, J, K	0.1V/25M	45/100	620	0.77	750
SWI1008UV-R22□	220	G, J, K	0.1V/25M	45/100	500	0.84	700
SWI1008UV-R27□	270	G, J, K	0.1V/25M	45/100	500	0.91	600
SWI1008UV-R33□	330	G, J, K	0.1V/25M	45/100	450	1.05	570

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



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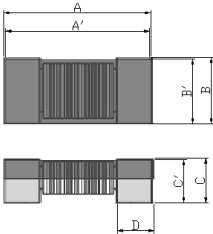
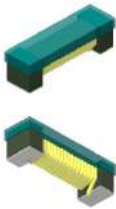
■ Specifications

Part Number	Inductance (nH)	Tolerance	Test Frequency (Hz)	Q @ Test Freq min.	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
SWI1008UV-R39□	390	G, J,K	0.1V/25M	45/100	470	1.12	500
SWI1008UV-R47□	470	G, J,K	0.1V/25M	45/100	470	1.19	450
SWI1008UV-R56□	560	G, J,K	0.1V/25M	45/100	400	1.33	415
SWI1008UV-R62□	620	G, J,K	0.1V/25M	45/100	300	1.40	375
SWI1008UV-R68□	680	G, J,K	0.1V/25M	45/100	400	1.47	375
SWI1008UV-R75□	750	G, J,K	0.1V/25M	45/100	360	1.54	360
SWI1008UV-R82□	820	G, J,K	0.1V/25M	45/100	400	1.61	350
SWI1008UV-R91□	910	G, J,K	0.1V/25M	35/50	380	1.68	320
SWI1008UV-1R0□	1000	G, J,K	0.1V/25M	35/50	370	1.75	290
SWI1008UV-1R2□	1200	G, J,K	0.1V/7.9M	35/50	310	2.00	250
SWI1008UV-1R5□	1500	G, J,K	0.1V/7.9M	28/50	330	2.23	200
SWI1008UV-1R8□	1800	G, J,K	0.1V/7.9M	28/50	300	2.60	160
SWI1008UV-2R2□	2200	G, J,K	0.1V/7.9M	28/50	280	2.80	160
SWI1008UV-2R7□	2700	G, J,K	0.1V/7.9M	22/25	290	3.20	140
SWI1008UV-3R3□	3300	G, J,K	0.1V/7.9M	22/25	290	3.40	110
SWI1008UV-3R9□	3900	G, J,K	0.1V/7.9M	20/25	260	3.60	100
SWI1008UV-4R7□	4700	G, J,K	0.1V/7.9M	18/7.9	200	4.00	32
SWI1008UV-5R6□	5600	G, J,K	0.1V/7.9M	18/7.9	200	4.00	25
SWI1008UV-6R8□	6800	G, J,K	0.1V/7.9M	18/7.9	200	4.90	21
SWI1008UV-8R2□	8200	G, J,K	0.1V/7.9M	16/7.9	170	6.00	16
SWI1008UV-100□	10000	G, J,K	0.1V/2.52M	15/7.9	170	8.00	14

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



■ 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

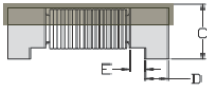
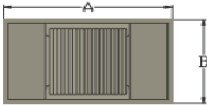
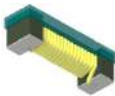
■ Specifications

Part Number	Inductance (uH)	Tolerance	fL0 (kHz)	SRF MHz(min)	RDC (Ω)Max.	Rated current (mA) max.
PAS4420V-301□-F10	300	K,M	10	2.0	14	70
PAS4420V-401□-F10	400	K,M	10	1.5	17	50
PAS4420V-252□-F10	2500	K,M	10	1.0	82	40
PAS4420V-352□-F10	3500	K,M	10	1.0	85	20

NOTE: □:TOLERANCE K=±10%, M=±20%



■ Dimensions



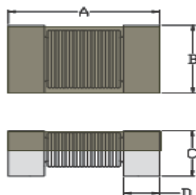
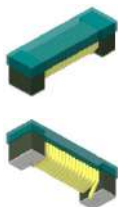
Dimensions	
A	6.40±0.30
B	2.30±0.20
C	1.80±0.20
D	0.90 ref
E	0.50 ref

Units: mm

■ Specifications

Part Number	Inductance (uH)	fL0 (kHz)	SRF KHz(min)	RDC (Ω)Max.	Rated current (mA)Max.
PAS6420V-522J	5200 ± 5%	125	520	113	30
PAS6420V-622J	6200 ± 5%	125	488	123	30
PAS6420V-702J	7000 ± 5%	125	420	125	20
PAS6420V-722K	7200 ± 10%	125	450	130	15

■ Dimensions



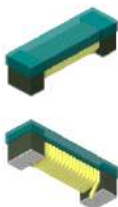
Dimensions	
A	7.85max
B	2.70max
C	2.70max
D	1.15 ref

Units: mm

■ Specifications

Part Number	Inductance (mH) $\pm 5\%$	Test Frequency (Hz)	Q Typ.	RDC (Ω)Max.	Rated current (mA)Max.
PAS8027V-452J	4.5	125K	30	80	20
PAS8027V-492J	4.9	125K	30	85	20
PAS8027V-722J	7.2	125K	35	105	20
PAS8027V-193J	18.52	125K	35	240	20

■ Dimensions



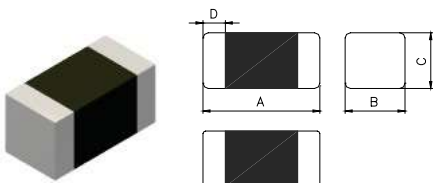
Dimensions	
A	11.60±0.30
B	3.80±0.30
C	2.50±0.30
D	1.50 ref

Units: mm

■ Specifications

Part Number	Inductance (uH)	Test Frequency (Hz)	Q min.	RDC (Ω)max.	Rated current (mA) max.	SRF (MHz) min.
PAS1225V-101K	100±10%	0.1V/125K	20	3	300	20.00
PAS1225V-201K	200±10%	0.1V/125K	20	6	200	2.00
PAS1225V-492J	4900±5%	0.1V/125K	20	50	50	0.34
PAS1225V-722J	7200±5%	0.1V/125K	40	40	50	0.30

■ Dimensions



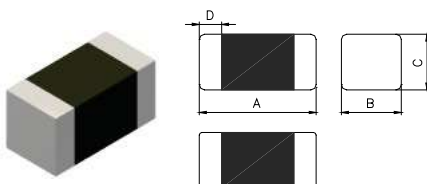
Dimensions	
A	1.60±0.15
B	0.80±0.15
C	0.95 max
D	0.30±0.20

Units: mm

■ Specifications

Part Number	Inductance (μ H)	Test Frequency (Hz)	Rated Current (mA) max.	DC Resistance(Ω)	
				max.	typ.
CPI160809UV-R33M-0A3	0.33±20%	1M / 60mV	350	0.35	0.27
CPI160809UV-R50M-0A9	0.50±20%	1M / 60mV	900	0.15	0.12
CPI160809UV-1R0M-0A7	1.00±20%	1M / 60mV	750	0.20	0.17
CPI160809UV-2R2M-0A6	2.20±20%	1M / 60mV	650	0.30	0.27

■ Dimensions



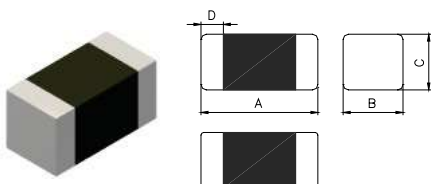
Dimensions	
A	2.00±0.20
B	1.25±0.20
C	1.00 max
D	0.50±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Test Frequency (Hz)	Rated Current (mA) max.	DC Resistance(Ω)	
				max.	typ.
CPI201210UV-R47M-1A2	0.47±20%	1M / 60mV	1200	0.08	0.06
CPI201210UV-1R0M-1A0	1.00±20%	1M / 60mV	1000	0.14	0.11
CPI201210UV-1R5M-0A8	1.50±20%	1M / 60mV	800	0.20	0.15
CPI201210UV-2R2M-0A8	2.20±20%	1M / 60mV	800	0.20	0.15
CPI201210UV-3R3M-0A7	3.30±20%	1M / 60mV	700	0.24	0.20
CPI201210UV-4R7M-0A7	4.70±20%	1M / 60mV	700	0.28	0.23

■ Dimensions



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

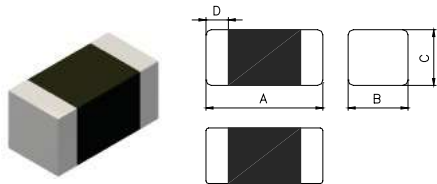
Units: mm

■ Specifications

Part Number	Inductance (μ H)	Test Frequency (Hz)	Rated Current (mA) max.	DC Resistance(Ω)	
				max.	typ.
CPI201610UV-R47M-1A6	0.47±20%	1M / 60mV	1600	0.075	0.06
CPI201610UV-1R0M-1A3	1.00±20%	1M / 60mV	1300	0.12	0.09
CPI201610UV-1R5M-1A2	1.50±20%	1M / 60mV	1200	0.13	0.10
CPI201610UV-2R2M-1A2	2.20±20%	1M / 60mV	1200	0.14	0.11
CPI201610UV-3R3M-1A1	3.30±20%	1M / 60mV	1100	0.16	0.13
CPI201610UV-4R7M-0A9	4.70±20%	1M / 60mV	900	0.20	0.16



■ Dimensions



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

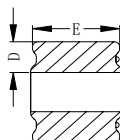
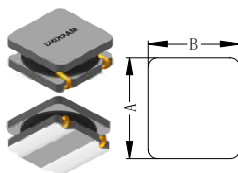
Units: mm

■ Specifications

Part Number	Inductance (uH)	Test Frequency (Hz)	Rated Current (mA) max.	DCR (Ω) max.
FCH160808SV-1R0M	1.0±20%	1M/60mV	1700	0.08
FCH160808SV-2R2M	2.2±20%	1M/60mV	1300	0.13
FCH160808SV-4R7M	4.7±20%	1M/60mV	1000	0.20

I_{rms}:DC current that causes temperature rise(ΔT 40) from 25 ambient.

■ 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

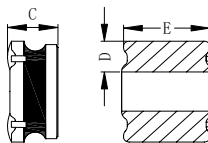
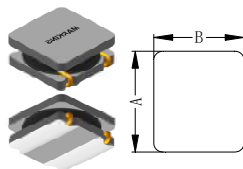
■ Specifications

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.
AHP201610BMV-R47M	0.47	±20	1V/1M	42.0	50.4	6.80	6.20	4.00	3.50
AHP201610BMV-R68M	0.68	±20	1V/1M	52.0	62.4	5.60	5.00	3.20	2.80
AHP201610BMV-1R0M	1.00	±20	1V/1M	75.0	90.0	4.50	4.00	2.90	2.60
AHP201610BMV-1R5M	1.50	±20	1V/1M	120	144	3.80	3.40	2.20	1.90
AHP201610BMV-2R2M	2.20	±20	1V/1M	160	196	3.20	2.80	2.00	1.70
AHP201610BMV-3R3M	3.30	±20	1V/1M	240	288	2.40	2.20	1.60	1.40
AHP201610BMV-4R7M	4.70	±20	1V/1M	362	435	1.90	1.70	1.30	1.10
AHP201610BMV-100M	10.0	±20	1V/1M	800	960	1.30	1.10	0.90	0.70

Note:

- Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40 .
- Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ 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

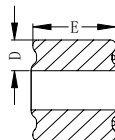
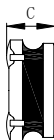
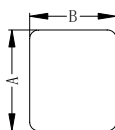
■ Specifications

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.
AHP201612BMV-R47M	0.47	±20	1V/1M	34.0	40.8	7.20	6.80	4.30	4.00
AHP201612BMV-R68M	0.68	±20	1V/1M	43.0	51.6	6.00	5.40	3.60	3.30
AHP201612BMV-1R0M	1.00	±20	1V/1M	53.0	63.6	4.70	4.20	3.20	3.00
AHP201612BMV-1R5M	1.50	±20	1V/1M	78.0	94.0	4.00	3.50	2.70	2.40
AHP201612BMV-2R2M	2.20	±20	1V/1M	110	132	3.40	3.00	2.40	2.10
AHP201612BMV-3R3M	3.30	±20	1V/1M	180	216	2.60	2.40	1.90	1.70
AHP201612BMV-4R7M	4.70	±20	1V/1M	280	336	2.10	1.90	1.50	1.30

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40 .
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ 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

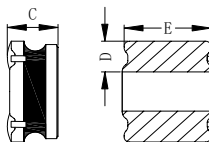
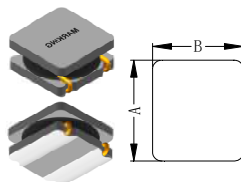
■ Specifications

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.
AHP252010BMV-R24M	0.24	±20	1V/1M	23.0	27.6	9.50	8.50	5.60	5.10
AHP252010BMV-R33M	0.33	±20	1V/1M	29.0	34.8	8.40	7.60	5.30	4.80
AHP252010BMV-R47M	0.47	±20	1V/1M	32.0	38.4	7.00	6.30	4.60	4.20
AHP252010BMV-R68M	0.68	±20	1V/1M	46.0	55.2	6.00	5.40	4.00	3.60
AHP252010BMV-1R0M	1.00	±20	1V/1M	66.0	79.2	5.00	4.50	3.40	3.10
AHP252010BMV-1R5M	1.50	±20	1V/1M	85.0	102	3.80	3.50	2.90	2.50
AHP252010BMV-2R2M	2.20	±20	1V/1M	125	150	3.00	2.50	2.50	2.20
AHP252010BMV-3R3M	3.30	±20	1V/1M	195	234	2.50	2.10	2.00	1.80
AHP252010BMV-4R7M	4.70	±20	1V/1M	260	312	2.20	1.90	1.70	1.50

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40 .
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ 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

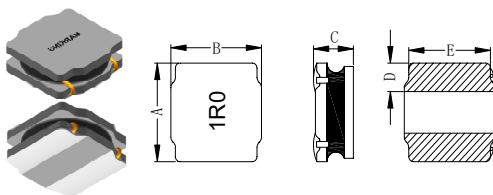
■ Specifications

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.
AHP252012BMV-R24M	0.24	±20	1V/1M	18.0	21.6	10.00	9.00	6.30	5.80
AHP252012BMV-R33M	0.33	±20	1V/1M	24.0	28.8	8.70	8.00	5.60	5.10
AHP252012BMV-R47M	0.47	±20	1V/1M	30.0	36.0	7.30	6.60	5.00	4.60
AHP252012BMV-R68M	0.68	±20	1V/1M	36.5	44.0	6.20	5.50	4.60	4.20
AHP252012BMV-1R0M	1.00	±20	1V/1M	48.0	58.0	5.40	4.80	4.00	3.70
AHP252012BMV-1R5M	1.50	±20	1V/1M	65.0	78.0	4.00	3.60	3.30	2.90
AHP252012BMV-2R2M	2.20	±20	1V/1M	92.0	110	3.10	2.60	2.90	2.60
AHP252012BMV-3R3M	3.30	±20	1V/1M	130	156	2.60	2.20	2.50	2.20
AHP252012BMV-4R7M	4.70	±20	1V/1M	200	240	2.30	2.00	1.90	1.70
AHP252012BMV-6R8M	6.80	±20	1V/1M	300	360	1.80	1.60	1.60	1.40
AHP252012BMV-100M	10.0	±20	1V/1M	450	540	1.40	1.20	1.20	1.10

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40 .
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ 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

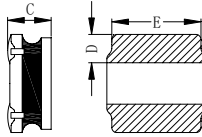
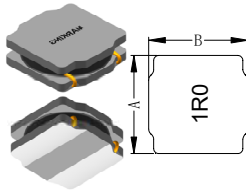
■ Specifications

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.
AHP3012BMV-R30M	0.30	±20	1V/1M	22.0	26.4	11.5	10.5	6.40	5.50
AHP3012BMV-R33M	0.33	±20	1V/1M	22.0	26.4	11.0	10.0	6.40	5.50
AHP3012BMV-R47M	0.47	±20	1V/1M	30.0	36.0	9.50	8.50	5.50	4.70
AHP3012BMV-1R0M	1.00	±20	1V/1M	43.0	51.6	7.20	6.70	4.20	3.70
AHP3012BMV-1R5M	1.50	±20	1V/1M	62.0	74.0	6.30	5.70	3.60	3.30
AHP3012BMV-2R2M	2.20	±20	1V/1M	92.0	112	5.50	5.00	3.00	2.70
AHP3012BMV-3R3M	3.30	±20	1V/1M	144	173	4.50	4.00	2.50	2.20
AHP3012BMV-4R7M	4.70	±20	1V/1M	195	234	3.70	3.30	2.00	1.80

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40 .
- 2..Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ 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

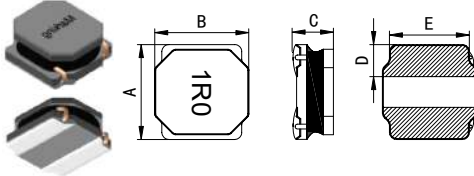
■ Specifications

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.
AHP3015BMV-R47M	0.47	±20	1V/1M	25.0	30.0	12.0	10.0	5.80	5.10
AHP3015BMV-R68M	0.68	±20	1V/1M	32.0	38.4	10.0	9.00	5.20	4.70
AHP3015BMV-1R0M	1.00	±20	1V/1M	42.0	50.4	8.70	7.80	4.60	4.00
AHP3015BMV-1R5M	1.50	±20	1V/1M	55.0	66.0	7.50	6.90	4.00	3.60
AHP3015BMV-2R2M	2.20	±20	1V/1M	68.0	81.6	6.00	5.50	3.60	3.10
AHP3015BMV-3R3M	3.30	±20	1V/1M	116	140	4.50	4.20	2.90	2.60
AHP3015BMV-4R7M	4.70	±20	1V/1M	159	190	4.10	3.90	2.40	2.10
AHP3015BMV-5R6M	5.60	±20	1V/1M	200	240	3.70	3.30	2.20	1.90
AHP3015BMV-6R8M	6.80	±20	1V/1M	210	260	3.30	2.90	2.10	1.80
AHP3015BMV-8R2M	8.20	±20	1V/1M	300	360	3.00	2.60	1.80	1.50
AHP3015BMV-100M	10.0	±20	1V/1M	370	444	2.70	2.30	1.60	1.30

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40 .
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ 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

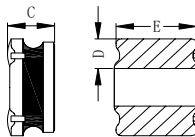
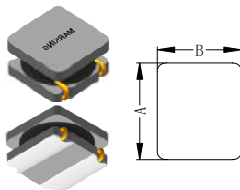
■ Specifications

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.
AHP4020BMV-R22M	0.22	±20	1V/1M	9.5	10.9	23.0	19.0	9.50	8.20
AHP4020BMV-R47M	0.47	±20	1V/1M	14.0	16.1	16.0	14.0	8.00	7.00
AHP4020BMV-R68M	0.68	±20	1V/1M	18.0	20.7	12.0	9.00	7.40	6.40
AHP4020BMV-1R0M	1.00	±20	1V/1M	22.0	26.0	11.1	8.70	6.70	5.80
AHP4020BMV-1R5M	1.50	±20	1V/1M	30.0	36.0	10.0	8.00	6.00	5.20
AHP4020BMV-2R2M	2.20	±20	1V/1M	40.0	48.0	7.60	6.20	5.00	4.30
AHP4020BMV-3R3M	3.30	±20	1V/1M	60.0	72.0	5.90	4.80	4.00	3.50
AHP4020BMV-4R7M	4.70	±20	1V/1M	90.0	108	5.10	4.30	3.30	2.90
AHP4020BMV-6R8M	6.80	±20	1V/1M	128	154	4.60	3.70	2.80	2.40
AHP4020BMV-100M	10.00	±20	1V/1M	180	216	4.00	3.20	2.40	2.00

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40 .
- 2..Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ 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

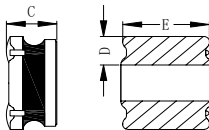
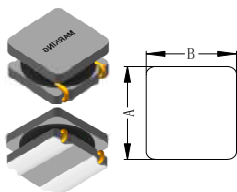
■ Specifications

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.
HPC201610BMV-R24M	0.24	±20	1V/100K	20.0	24.0	4.10	3.80	5.20	4.80
HPC201610BMV-R33M	0.33	±20	1V/100K	29.0	34.8	3.30	3.00	4.60	4.00
HPC201610BMV-R47M	0.47	±20	1V/100K	37.0	45.0	2.90	2.70	4.00	3.70
HPC201610BMV-R68M	0.68	±20	1V/100K	50.0	60.0	2.50	2.30	3.60	3.30
HPC201610BMV-1R0M	1.00	±20	1V/100K	67.0	80.4	2.00	1.80	3.10	2.80
HPC201610BMV-1R5M	1.50	±20	1V/100K	98.0	118	1.60	1.40	2.50	2.10
HPC201610BMV-2R2M	2.20	±20	1V/100K	140	168	1.30	1.10	2.10	1.90
HPC201610BMV-3R3M	3.30	±20	1V/100K	210	252	1.10	0.95	1.70	1.40
HPC201610BMV-4R7M	4.70	±20	1V/100K	395	474	0.90	0.80	1.30	1.10
HPC201610BMV-5R6M	5.60	±20	1V/100K	415	498	0.85	0.77	1.10	0.90
HPC201610BMV-6R8M	6.80	±20	1V/100K	480	576	0.80	0.75	0.90	0.80
HPC201610BMV-8R2M	8.20	±20	1V/100K	630	756	0.70	0.65	0.80	0.70
HPC201610BMV-100M	10.00	±20	1V/100K	700	840	0.62	0.57	0.72	0.67
HPC201610BMV-150M	15.00	±20	1V/100K	1200	1440	0.46	0.43	0.60	0.55
HPC201610BMV-220M	22.00	±20	1V/100K	1800	2160	0.38	0.35	0.50	0.45

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%.

■ 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

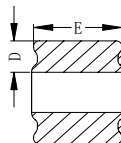
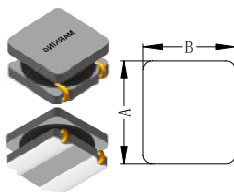
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
HPC201612BMV-R33M	0.33	±20	1V/100K	25.0	30.0	3.50	3.20	4.80	4.30
HPC201612BMV-R47M	0.47	±20	1V/100K	35.0	42.0	3.10	2.90	4.20	3.90
HPC201612BMV-R68M	0.68	±20	1V/100K	45.0	54.0	2.60	2.40	3.80	3.50
HPC201612BMV-1R0M	1.00	±20	1V/100K	60.0	72.0	2.10	1.90	3.20	2.90
HPC201612BMV-1R5M	1.50	±20	1V/100K	90.0	108	1.70	1.50	2.60	2.20
HPC201612BMV-2R2M	2.20	±20	1V/100K	130	156	1.40	1.20	2.20	2.00
HPC201612BMV-3R3M	3.30	±20	1V/100K	190	228	1.15	1.00	1.80	1.50
HPC201612BMV-4R7M	4.70	±20	1V/100K	350	420	0.95	0.85	1.40	1.20
HPC201612BMV-5R6M	5.60	±20	1V/100K	365	438	0.90	0.80	1.20	1.00
HPC201612BMV-6R8M	6.80	±20	1V/100K	460	552	0.82	0.76	1.00	0.90
HPC201612BMV-8R2M	8.20	±20	1V/100K	610	732	0.70	0.65	0.85	0.75
HPC201612BMV-100M	10.0	±20	1V/100K	650	780	0.65	0.60	0.78	0.70
HPC201612BMV-150M	15.0	±20	1V/100K	1050	1260	0.50	0.45	0.65	0.60
HPC201612BMV-220M	22.0	±20	1V/100K	1650	1980	0.40	0.38	0.55	0.50

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40 .
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.



■ 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

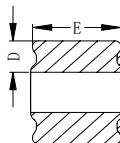
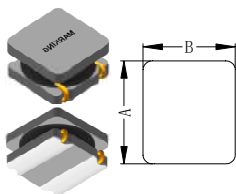
■ Specifications

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.
HPC252010BMV-R47M	0.47	±20	1V/100K	29.0	35.0	3.30	3.00	3.00	2.80
HPC252010BMV-R68M	0.68	±20	1V/100K	39.0	47.0	2.80	2.60	2.80	2.60
HPC252010BMV-1R0M	1.00	±20	1V/100K	60.0	72.0	2.50	2.30	2.60	2.40
HPC252010BMV-1R5M	1.50	±20	1V/100K	80.0	96.0	2.10	1.90	2.40	2.20
HPC252010BMV-2R2M	2.20	±20	1V/100K	110	132	1.50	1.30	2.00	1.80
HPC252010BMV-3R3M	3.30	±20	1V/100K	170	204	1.30	1.10	1.70	1.50
HPC252010BMV-4R7M	4.70	±20	1V/100K	250	300	1.20	1.10	1.40	1.20
HPC252010BMV-6R8M	6.80	±20	1V/100K	370	444	0.95	0.85	1.20	1.00
HPC252010BMV-100M	10.0	±20	1V/100K	460	552	0.75	0.65	1.00	0.80
HPC252010BMV-150M	15.0	±20	1V/100K	770	924	0.62	0.57	0.80	0.65
HPC252010BMV-220M	22.0	±20	1V/100K	1110	1332	0.52	0.47	0.62	0.56

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40 .
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ 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

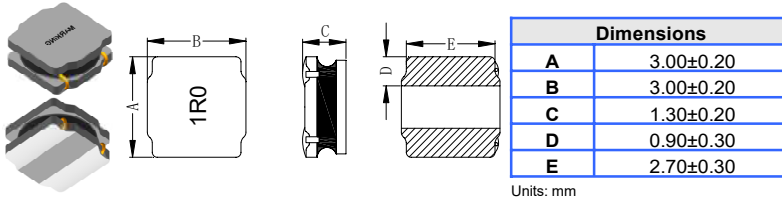
■ Specifications

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.
HPC252012BMV-R22Y	0.22	±30	1V/100K	15.0	18.0	5.50	5.00	6.00	5.50
HPC252012BMV-R33M	0.33	±20	1V/100K	20.0	24.0	4.80	4.40	5.20	4.80
HPC252012BMV-R47M	0.47	±20	1V/100K	26.0	32.0	4.30	4.00	4.80	4.50
HPC252012BMV-R68M	0.68	±20	1V/100K	37.0	45.0	3.70	3.50	4.40	4.00
HPC252012BMV-1R0M	1.00	±20	1V/100K	50.0	60.0	3.00	2.80	3.60	3.30
HPC252012BMV-1R2M	1.20	±20	1V/100K	61.0	74.0	2.90	2.70	3.40	3.10
HPC252012BMV-1R5M	1.50	±20	1V/100K	70.0	84.0	2.70	2.50	3.10	2.80
HPC252012BMV-2R2M	2.20	±20	1V/100K	94.0	113	2.10	1.90	2.70	2.30
HPC252012BMV-3R3M	3.30	±20	1V/100K	126	152	1.70	1.50	2.20	1.90
HPC252012BMV-4R7M	4.70	±20	1V/100K	225	270	1.50	1.30	1.80	1.60
HPC252012BMV-6R8M	6.80	±20	1V/100K	310	372	1.20	1.10	1.50	1.30
HPC252012BMV-100M	10.0	±20	1V/100K	495	594	1.00	0.90	1.30	1.10
HPC252012BMV-150M	15.0	±20	1V/100K	650	780	0.80	0.70	1.00	0.90
HPC252012BMV-220M	22.0	±20	1V/100K	908	1090	0.63	0.58	0.80	0.60

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40 .
- 2..Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ Dimensions



Units: mm

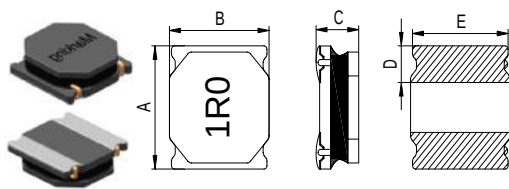
■ Specifications

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.
HPC3015BMV-R24M	0.24	±20	1V/100K	13.0	16.0	6.00	5.50	5.00	4.50
HPC3015BMV-R47M	0.47	±20	1V/100K	18.0	22.0	4.30	4.00	3.70	3.30
HPC3015BMV-R68M	0.68	±20	1V/100K	23.0	28.0	3.80	3.50	3.50	3.20
HPC3015BMV-1R0M	1.00	±20	1V/100K	30.0	36.0	3.00	2.70	3.00	2.70
HPC3015BMV-1R5M	1.50	±20	1V/100K	36.0	43.0	2.40	2.10	2.70	2.50
HPC3015BMV-2R2M	2.20	±20	1V/100K	60.0	72.0	2.10	1.90	2.50	2.30
HPC3015BMV-3R3M	3.30	±20	1V/100K	80.0	96.0	1.70	1.50	2.20	2.00
HPC3015BMV-4R7M	4.70	±20	1V/100K	112	134	1.50	1.30	1.90	1.70
HPC3015BMV-5R6M	5.60	±20	1V/100K	135	162	1.40	1.20	1.80	1.60
HPC3015BMV-6R8M	6.80	±20	1V/100K	172	206	1.30	1.10	1.70	1.50
HPC3015BMV-100M	10.0	±20	1V/100K	220	264	1.00	0.90	1.50	1.30
HPC3015BMV-150M	15.0	±20	1V/100K	310	372	0.85	0.72	1.20	1.00
HPC3015BMV-180M	18.0	±20	1V/100K	380	456	0.73	0.65	1.10	0.92
HPC3015BMV-220M	22.0	±20	1V/100K	450	540	0.68	0.59	1.00	0.85
HPC3015BMV-330M	33.0	±20	1V/100K	780	940	0.57	0.51	0.85	0.75
HPC3015BMV-470M	47.0	±20	1V/100K	1200	1440	0.46	0.41	0.70	0.60
HPC3015BMV-101M	100	±20	1V/100K	3400	4080	0.33	0.30	0.40	0.35

Note:

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

■ 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

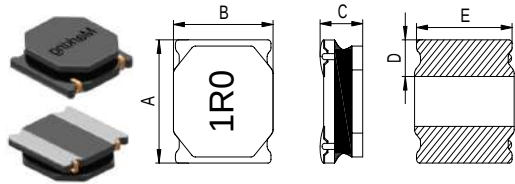
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±20%	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
HPC5020NV-1R0Y	1.00	±30	1V/100K	20	5.00	4.5	4.10	3.6
HPC5020NV-1R2Y	1.20	±30	1V/100K	20	4.80	4.2	3.80	3.3
HPC5020NV-1R5Y	1.50	±30	1V/100K	25	4.50	4.0	3.50	3.0
HPC5020NV-2R2M	2.20	±20	1V/100K	32	4.10	3.5	3.30	2.8
HPC5020NV-3R3M	3.30	±20	1V/100K	43	3.50	3.0	2.80	2.5
HPC5020NV-4R7M	4.70	±20	1V/100K	60	2.70	2.3	2.40	2.1
HPC5020NV-5R6M	5.60	±20	1V/100K	69	2.40	2.0	2.10	1.8
HPC5020NV-6R8M	6.80	±20	1V/100K	90	2.10	1.7	1.90	1.6
HPC5020NV-8R2M	8.20	±20	1V/100K	98	1.90	1.4	1.75	1.4
HPC5020NV-100M	10.0	±20	1V/100K	110	1.70	1.2	1.60	1.3
HPC5020NV-120M	12.0	±20	1V/100K	135	1.40	1.0	1.40	1.1
HPC5020NV-150M	15.0	±20	1V/100K	165	1.30	0.8	1.25	0.9
HPC5020NV-180M	18.0	±20	1V/100K	190	1.20	0.7	1.17	0.8
HPC5020NV-220M	22.0	±20	1V/100K	225	1.10	0.6	1.10	0.7
HPC5020NV-330M	33.0	±20	1V/100K	335	0.80	0.5	0.80	0.6
HPC5020NV-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%.



■ 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

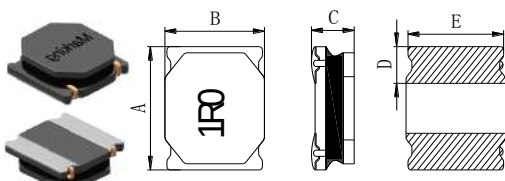
■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±20%	I sat (A) typ.	I rms (A) typ.
HPC5040NV-R60M	0.60	±20	1V/100K	8	11.0	8.00
HPC5040NV-1R0M	1.00	±20	1V/100K	12	7.50	5.00
HPC5040NV-1R5M	1.50	±20	1V/100K	15	6.50	4.50
HPC5040NV-1R8M	1.80	±20	1V/100K	18	6.10	4.20
HPC5040NV-2R2M	2.20	±20	1V/100K	21	5.70	3.80
HPC5040NV-3R3M	3.30	±20	1V/100K	24	4.40	3.50
HPC5040NV-4R7M	4.70	±20	1V/100K	32	3.90	3.20
HPC5040NV-6R8M	6.80	±20	1V/100K	43	3.30	2.50
HPC5040NV-100M	10.0	±20	1V/100K	56	2.52	2.20
HPC5040NV-150M	15.0	±20	1V/100K	80	2.00	1.80
HPC5040NV-220M	22.0	±20	1V/100K	123	1.62	1.50
HPC5040NV-330M	33.0	±20	1V/100K	180	1.30	1.20
HPC5040NV-470M	47.0	±20	1V/100K	270	1.10	1.00
HPC5040NV-680M	68.0	±20	1V/100K	400	0.90	0.80
HPC5040NV-820M	82.0	±20	1V/100K	490	0.78	0.75
HPC5040NV-101M	100	±20	1V/100K	560	0.75	0.72

Note:

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

■ 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

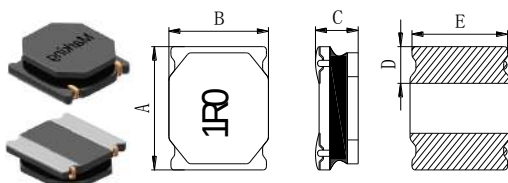
■ Specifications

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.
HPC6020NV-1R0M	1.00	±20	1V/100K	19.0	6.20	5.7	4.50	4.0
HPC6020NV-1R5M	1.50	±20	1V/100K	22.5	5.50	5.0	3.80	3.3
HPC6020NV-2R0M	2.00	±20	1V/100K	25.0	5.30	4.9	3.65	3.3
HPC6020NV-2R2M	2.20	±20	1V/100K	29.0	5.00	4.6	3.50	3.2
HPC6020NV-3R3M	3.30	±20	1V/100K	35.0	4.00	3.6	3.30	3.0
HPC6020NV-4R7M	4.70	±20	1V/100K	54.0	3.00	2.7	2.80	2.5
HPC6020NV-5R6M	5.60	±20	1V/100K	59.0	2.70	2.4	2.60	2.3
HPC6020NV-6R8M	6.80	±20	1V/100K	78.0	2.60	2.3	2.50	2.2
HPC6020NV-8R2M	8.20	±20	1V/100K	103	2.40	2.1	2.30	2.0
HPC6020NV-100M	10.0	±20	1V/100K	106	2.10	1.9	2.10	1.9
HPC6020NV-150M	15.0	±20	1V/100K	138	1.50	1.3	1.60	1.4
HPC6020NV-220M	22.0	±20	1V/100K	204	1.30	1.1	1.40	1.1

Note:

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

■ 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

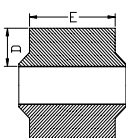
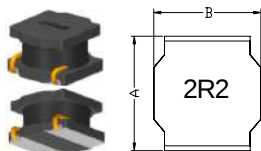
■ Specifications

Part Number	Inductance (μ H)	Tolerance (%)	Test Frequency (Hz)	DCR (m Ω) ±20%	I sat (A) typ.	I rms (A) typ.
HPC6028NV-1R0Y	1.00	±30	1V/100K	10.0	5.75	5.20
HPC6028NV-1R5Y	1.50	±30	1V/100K	14.0	5.30	4.95
HPC6028NV-2R2M	2.20	±20	1V/100K	18.0	5.00	4.50
HPC6028NV-3R3M	3.30	±20	1V/100K	24.0	4.30	3.60
HPC6028NV-4R7M	4.70	±20	1V/100K	30.0	3.20	3.10
HPC6028NV-6R8M	6.80	±20	1V/100K	47.0	2.85	2.50
HPC6028NV-100M	10.0	±20	1V/100K	65.0	2.10	2.00
HPC6028NV-150M	15.0	±20	1V/100K	98.0	2.00	1.80
HPC6028NV-220M	22.0	±20	1V/100K	138	1.60	1.50
HPC6028NV-330M	33.0	±20	1V/100K	200	1.40	1.30
HPC6028NV-470M	47.0	±20	1V/100K	280	1.15	1.06
HPC6028NV-680M	68.0	±20	1V/100K	420	1.00	0.81
HPC6028NV-101M	100	±20	1V/100K	605	0.80	0.72
HPC6028NV-471M	470	±20	1V/100K	2250	0.32	0.32

Note:

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

■ 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.
HPC6045NV-R36M	0.36	±20	1V/1MHz	4.80	18.00	16.50	9.00	8.50
HPC6045NV-R47M	0.47	±20	1V/1MHz	6.80	17.00	16.00	8.60	8.00
HPC6045NV-R82M	0.82	±20	1V/1MHz	8.50	14.50	13.50	8.20	7.50
HPC6045NV-1R0M	1.00	±20	1V/1MHz	10.0	13.50	12.50	8.00	7.30
HPC6045NV-1R2M	1.20	±20	1V/1MHz	10.5	12.50	11.50	7.50	7.00
HPC6045NV-1R3M	1.30	±20	1V/1MHz	10.5	12.50	11.50	7.50	7.00
HPC6045NV-1R5M	1.50	±20	1V/1MHz	11.7	12.00	11.00	7.00	6.60
HPC6045NV-1R8M	1.80	±20	1V/1MHz	12.0	11.00	10.00	6.80	6.20
HPC6045NV-2R0M	2.00	±20	1V/1MHz	13.5	10.50	9.50	6.50	5.80
HPC6045NV-2R2M	2.20	±20	1V/1MHz	15.0	9.50	8.55	6.00	5.30
HPC6045NV-2R3M	2.30	±20	1V/1MHz	16.0	9.30	8.20	5.80	5.00
HPC6045NV-3R0M	3.00	±20	1V/1MHz	20.0	8.00	7.50	5.20	4.60
HPC6045NV-3R3M	3.30	±20	1V/1MHz	21.0	7.80	7.30	5.00	4.50
HPC6045NV-3R6M	3.60	±20	1V/1MHz	22.5	7.40	6.90	4.90	4.30
HPC6045NV-4R7M	4.70	±20	1V/1MHz	26.0	6.80	6.20	4.50	4.00
HPC6045NV-5R6M	5.60	±20	1V/1MHz	31.0	6.40	5.70	4.10	3.70

Note:

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



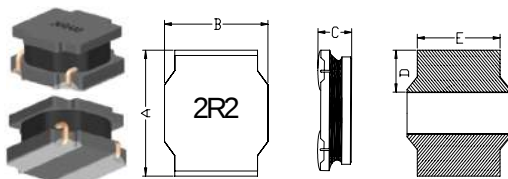
■ Specifications

Part Number	Inductance (μ H)	Tolerance (%)	Test Frequency (Hz)	DCR (m Ω) $\pm 20\%$	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
HPC6045NV-6R3M	6.30	± 20	1V/1MHz	33.0	5.90	5.30	3.80	3.50
HPC6045NV-6R8M	6.80	± 20	1V/1MHz	34.0	5.70	5.15	3.60	3.30
HPC6045NV-8R2M	8.20	± 20	1V/1MHz	46.0	5.10	4.50	3.40	2.90
HPC6045NV-100M	10.0	± 20	1V/1MHz	52.0	4.60	4.20	3.20	2.60
HPC6045NV-150M	15.0	± 20	1V/1MHz	71.0	3.80	3.30	2.80	2.20
HPC6045NV-180M	18.0	± 20	1V/1MHz	80.0	3.40	2.90	2.60	2.10
HPC6045NV-220M	22.0	± 20	1V/1MHz	96.0	3.30	2.70	2.30	1.90
HPC6045NV-330M	33.0	± 20	1V/1MHz	145	2.50	2.10	1.80	1.50
HPC6045NV-470M	47.0	± 20	1V/1MHz	200	2.00	1.75	1.60	1.20
HPC6045NV-560M	56.0	± 20	1V/1MHz	230	1.80	1.65	1.40	1.00
HPC6045NV-680M	68.0	± 20	1V/1MHz	305	1.60	1.52	1.10	0.92
HPC6045NV-820M	82.0	± 20	1V/1MHz	365	1.50	1.40	0.98	0.88
HPC6045NV-101M	100	± 20	1V/1MHz	456	1.33	1.25	0.92	0.82
HPC6045NV-121M	120	± 20	1V/1MHz	500	1.20	1.10	0.85	0.79
HPC6045NV-151M	150	± 20	1V/1MHz	626	1.10	1.00	0.75	0.70
HPC6045NV-181M	180	± 20	1V/1MHz	745	1.00	0.90	0.68	0.60
HPC6045NV-221M	220	± 20	1V/1MHz	900	0.88	0.77	0.60	0.50
HPC6045NV-331M	330	± 20	1V/1MHz	1400	0.60	0.55	0.55	0.45
HPC6045NV-471M	470	± 20	1V/1MHz	2050	0.50	0.45	0.40	0.35

Note:

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

■ 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.
HPC8040NV-R50M	0.50	±20	1MHz/1V	5.5	17.00	15.00	12.00	10.00
HPC8040NV-1R0M	1.00	±20	1MHz/1V	8.2	13.80	13.00	8.50	8.00
HPC8040NV-1R4M	1.40	±20	1MHz/1V	10.0	11.80	11.20	8.20	7.80
HPC8040NV-1R5M	1.50	±20	1MHz/1V	10.0	11.50	11.00	8.00	7.70
HPC8040NV-2R2M	2.20	±20	1MHz/1V	11.5	9.80	9.20	7.40	6.90
HPC8040NV-3R3M	3.30	±20	1MHz/1V	15.0	8.00	7.50	6.60	6.20
HPC8040NV-3R6M	3.60	±20	1MHz/1V	15.0	7.60	7.00	6.40	6.00
HPC8040NV-4R7M	4.70	±20	1MHz/1V	19.5	6.70	6.00	5.80	5.30
HPC8040NV-5R6M	5.60	±20	1MHz/1V	22.0	6.20	5.80	5.40	5.20
HPC8040NV-6R8M	6.80	±20	1MHz/1V	25.0	5.60	5.10	5.10	5.00
HPC8040NV-100M	10.0	±20	1MHz/1V	33.0	5.00	4.30	4.60	4.20
HPC8040NV-150M	15.0	±20	1MHz/1V	50.0	4.00	3.60	3.60	3.20
HPC8040NV-220M	22.0	±20	1MHz/1V	73.0	3.10	2.80	2.90	2.45
HPC8040NV-330M	33.0	±20	1MHz/1V	100	2.60	2.10	2.30	2.10
HPC8040NV-470M	47.0	±20	1MHz/1V	135	2.20	1.90	2.00	1.70
HPC8040NV-560M	56.0	±20	1MHz/1V	160	1.90	1.60	1.75	1.60
HPC8040NV-680M	68.0	±20	1MHz/1V	205	1.75	1.50	1.65	1.50
HPC8040NV-820M	82.0	±20	1MHz/1V	230	1.60	1.40	1.40	1.30
HPC8040NV-101M	100	±20	1MHz/1V	300	1.45	1.20	1.20	1.10
HPC8040NV-121M	120	±20	1MHz/1V	350	1.30	1.10	1.10	1.00
HPC8040NV-151M	150	±20	1MHz/1V	410	1.20	1.03	0.98	0.90
HPC8040NV-181M	180	±20	1MHz/1V	490	1.04	0.94	0.91	0.83
HPC8040NV-221M	220	±20	1MHz/1V	610	0.99	0.90	0.85	0.76
HPC8040NV-331M	330	±20	1MHz/1V	850	0.75	0.70	0.70	0.66
HPC8040NV-471M	470	±20	1MHz/1V	1300	0.60	0.55	0.63	0.58

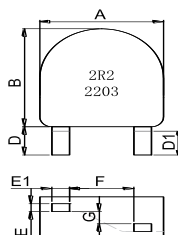
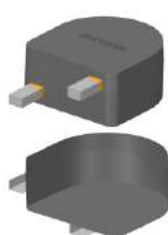
Note:

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



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For the latest specification, please visit our website: www.tai-tech.com.tw

■ 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

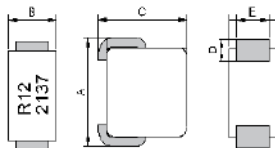
■ Specifications

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)1 00℃ rise
THFD5022SV-2R2MN-D	2.2	±20	1V/500K	0.21	0.23	190	280	125	187

Note:

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

■ 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.
TVMP120611LNV-90NMN-0R2407-D	0.09	±20	1V/100K	0.24	95.0	135	90.0	70.0
TVMP120611LNV-R10MN-0R2407-D	0.10	±20	1V/100K	0.24	93.0	133	90.0	70.0
TVMP120611LNV-R12MN-0R2407-D	0.12	±20	1V/100K	0.24	91.0	130	90.0	70.0
TVMP120611LNV-R15MN-0R2407-D	0.15	±20	1V/100K	0.24	87.0	120	90.0	70.0

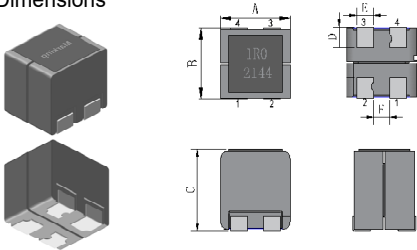
Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately Δ T of 40℃
- 2.Saturation Current (I_{sat}1) will cause L0 to drop approximately 20%.
- 3.Saturation Current (I_{sat}1) will cause L0 to drop approximately 30%.

TTMA1094P4V Series (4036 inch -55~+155)



■ 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

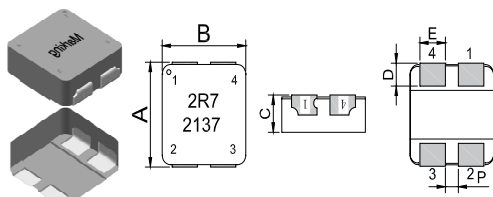
■ Specifications

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.
TTMA1094P4V-1R0MG-D	1.00	±20	1V/100K	3.30	4.00	50.0	43.0	21.0	18.0
TTMA1094P4V-2R2MG-D	2.20	±20	1V/100K	5.00	6.00	32.0	27.5	18.0	15.0
TTMA1094P4V-3R3MG-D	3.30	±20	1V/100K	7.50	8.60	26.0	23.4	14.0	12.0
TTMA1094P4V-5R6MG-D	5.60	±20	1V/100K	14.0	16.8	20.0	18.0	11.0	9.00
TTMA1094P4V-100MG-D	10.0	±20	1V/100K	20.0	24.0	14.0	12.0	8.00	7.00
TTMA1094P4V-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 ΔT of 40℃
- 2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

■ 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.
TTMP1004X4V-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
TTMP1004X4V-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 (I_{rms}) will cause the coil temperature rise approximately ΔT of 40℃.
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

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



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■ 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.
TTMP1004X4V-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
TTMP1004X4V-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
TTMP1004X4V-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
TTMP1004X4V-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 ΔT of 40℃.

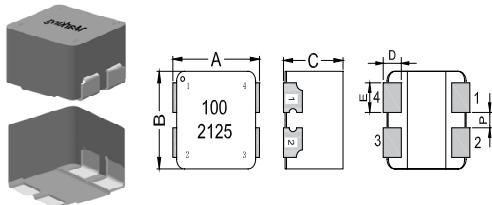
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

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

TTMP1008N4V Series (4340 inch -55 ~+155)



■ 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.
TTMP1008N4V-100MN-D	10.0	±20	1V/100K	31.0	37.2	12.5	10.6	6.50	5.80
TTMP1008N4V-150MN-D	15.0	±20	1V/100K	39.0	46.8	10.8	9.30	5.60	4.80
TTMP1008N4V-220MN-D	22.0	±20	1V/100K	83.0	99.0	8.50	7.50	4.50	3.80
TTMP1008N4V-330MN-D	33.0	±20	1V/100K	95.0	114	7.30	6.50	4.10	3.30
TTMP1008N4V-470MN-D	47.0	±20	1V/100K	108	130	6.30	5.40	3.60	3.00

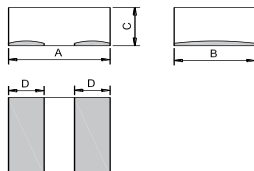
Note:

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



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■ Dimensions



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

Units: mm

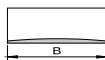
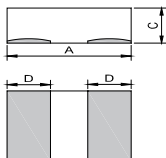
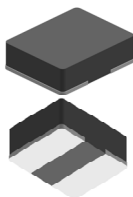
■ Specifications

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.
TMIM201610AV-R24MG	0.24	±20	1V/100K	18.0	20.5	7.70	6.70	6.50	5.50
TMIM201610AV-R33MG	0.33	±20	1V/100K	21.0	26.0	7.00	6.20	5.70	5.20
TMIM201610AV-R47MG	0.47	±20	1V/100K	28.0	32.0	6.00	5.30	5.30	4.70
TMIM201610AV-R68MG	0.68	±20	1V/100K	44.0	50.0	5.00	4.40	4.00	3.40
TMIM201610AV-1R0MG	1.00	±20	1V/100K	49.0	59.0	4.40	3.80	3.60	3.20
TMIM201610AV-1R5MG	1.50	±20	1V/100K	80.0	96.0	3.00	2.70	2.60	2.30
TMIM201610AV-2R2MG	2.20	±20	1V/100K	130	150	2.65	2.45	2.30	2.00

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40℃.
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ Dimensions



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

Units: mm

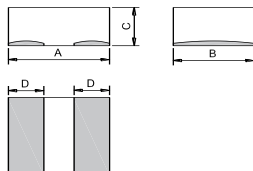
■ Specifications

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.
TMIM201612AV-R22MG	0.22	±20	1V/100K	10.0	13.0	8.00	7.00	7.00	6.00
TMIM201612AV-R33MG	0.33	±20	1V/100K	15.0	18.0	7.00	6.20	5.90	5.30
TMIM201612AV-R47MG	0.47	±20	1V/100K	20.0	26.0	6.00	5.30	5.40	4.80
TMIM201612AV-R68MG	0.68	±20	1V/100K	30.0	36.0	5.00	4.40	4.20	3.70
TMIM201612AV-1R0MG	1.00	±20	1V/100K	40.0	48.0	4.50	4.00	3.70	3.30
TMIM201612AV-1R5MG	1.50	±20	1V/100K	70.0	84.0	3.10	2.80	2.90	2.50
TMIM201612AV-2R2MG	2.20	±20	1V/100K	105	126	2.70	2.50	2.50	2.10

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40 .
- 2..Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ Dimensions



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

Units: mm

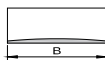
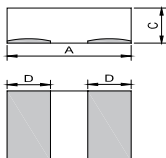
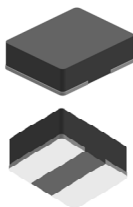
■ Specifications

Part Number	Inductance (μ H)	Tolerance (%)	Test Frequency (Hz)	DCR (m Ω) typ.	DCR (m Ω) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMIM252010AV-R22MG	0.22	±20	1V/100K	9.70	11.2	7.70	7.20	7.20	6.60
TMIM252010AV-R33MG	0.33	±20	1V/100K	12.0	14.4	7.30	7.00	6.60	6.00
TMIM252010AV-R47MG	0.47	±20	1V/100K	17.0	20.4	6.00	5.40	5.80	5.10
TMIM252010AV-R82MG	0.82	±20	1V/100K	26.2	31.4	5.20	4.80	5.00	4.70
TMIM252010AV-1R0MG	1.00	±20	1V/100K	38.0	45.6	4.60	3.80	4.30	4.00
TMIM252010AV-1R5MG	1.50	±20	1V/100K	50.0	60.0	3.50	3.20	3.30	3.00
TMIM252010AV-2R2MG	2.20	±20	1V/100K	85.0	102	3.00	2.70	2.80	2.50

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40℃.
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ Dimensions



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

Units: mm

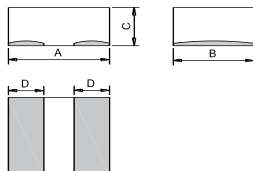
■ Specifications

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.
TMIM25012AV-R24MG	0.24	±20	1V/100K	11.0	13.2	7.80	7.20	7.30	6.80
TMIM25012AV-R33MG	0.33	±20	1V/100K	14.0	17.0	7.50	6.80	6.80	6.30
TMIM25012AV-R36MG	0.36	±20	1V/100K	14.0	17.0	7.50	6.80	6.80	6.30
TMIM25012AV-R47MG	0.47	±20	1V/100K	15.0	18.0	6.20	5.60	6.20	5.60
TMIM25012AV-R68MG	0.68	±20	1V/100K	23.0	27.6	5.50	5.00	5.30	4.90
TMIM25012AV-1R0MG	1.00	±20	1V/100K	33.0	39.6	5.00	4.20	4.50	4.20
TMIM25012AV-1R5MG	1.50	±20	1V/100K	43.0	51.6	4.00	3.50	3.70	3.40
TMIM25012AV-2R2MG	2.20	±20	1V/100K	66.0	79.2	3.40	3.10	3.10	2.80
TMIM25012AV-3R3MG	3.20	±20	1V/100K	115	138	3.00	2.70	2.40	2.20
TMIM25012AV-4R7MG	4.70	±20	1V/100K	170	204	2.80	2.50	2.00	1.80

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40 .
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ 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.
TMIM322512AV-R22MG	0.22	±20	1V/100K	7.40	8.50	9.30	8.70	9.50	9.00
TMIM322512AV-R33MG	0.33	±20	1V/100K	10.0	13.0	9.10	8.50	8.50	8.00
TMIM322512AV-R47MG	0.47	±20	1V/100K	16.0	19.2	8.20	7.40	7.00	6.50
TMIM322512AV-R68MG	0.68	±20	1V/100K	20.0	24.0	7.30	6.80	6.20	5.70
TMIM322512AV-1R0MG	1.00	±20	1V/100K	26.0	32.0	6.50	5.70	5.50	5.00
TMIM322512AV-1R5MG	1.50	±20	1V/100K	44.0	53.0	5.00	4.50	4.40	3.90
TMIM322512AV-2R2MG	2.20	±20	1V/100K	61.0	73.0	4.80	4.30	4.00	3.60
TMIM322512AV-3R3MG	3.30	±20	1V/100K	87.0	101	3.40	3.00	3.10	2.80
TMIM322512AV-4R7MG	4.70	±20	1V/100K	122	146	2.80	2.40	2.20	1.90

Note:

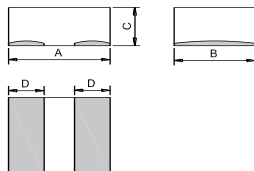
- Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C.
- Saturation Current (I_{sat}) will cause L₀ to drop approximately 30%.



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■ 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

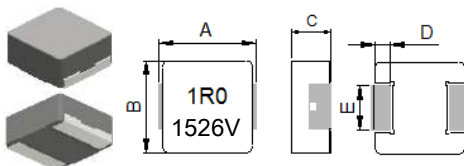
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMIM322520AV-R33MG	0.33	±20	1V/100K	8.00	9.60	11.0	10.0	8.50	8.00
TMIM322520AV-R47MG	0.47	±20	1V/100K	9.30	11.2	9.00	8.00	8.00	7.50
TMIM322520AV-R68MG	0.68	±20	1V/100K	13.3	16.0	8.00	7.00	7.00	6.40
TMIM322520AV-1R0MG	1.00	±20	1V/100K	18.3	22.0	7.50	6.20	6.20	5.80
TMIM322520AV-1R5MG	1.50	±20	1V/100K	25.8	31.0	6.00	5.00	5.30	4.80
TMIM322520AV-2R2MG	2.20	±20	1V/100K	38.0	46.0	5.00	4.50	3.70	3.20
TMIM322520AV-3R3MG	3.30	±20	1V/100K	56.0	65.0	4.20	3.70	3.20	2.70
TMIM322520AV-4R7MG	4.70	±20	1V/100K	90.0	98.0	3.40	2.90	2.80	2.40
TMIM322520AV-6R8MG	6.80	±20	1V/100K	105	126	2.30	2.00	2.30	2.00
TMIM322520AV-100MG	10.0	±20	1V/100K	200	230	1.60	1.40	1.60	1.40

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C.
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.



■ 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

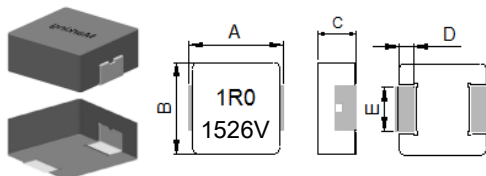
■ Specifications

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.
TMPA0603HTV-R47MN-D	0.47	±20	1V/100K	3.50	4.00	21.0	18.0	20.0	18.0
TMPA0603HTV-R56MN-D	0.56	±20	1V/100K	4.20	4.80	20.0	17.0	19.0	17.0
TMPA0603HTV-R68MN-D	0.68	±20	1V/100K	4.80	5.60	19.0	16.5	17.0	15.5
TMPA0603HTV-R82MN-D	0.82	±20	1V/100K	5.70	6.80	18.0	16.0	16.0	14.0
TMPA0603HTV-1R0MN-D	1.00	±20	1V/100K	6.60	8.00	16.0	14.0	15.0	13.0
TMPA0603HTV-1R5MN-D	1.50	±20	1V/100K	11.2	13.2	14.0	12.0	13.0	11.0
TMPA0603HTV-2R2MN-D	2.20	±20	1V/100K	13.7	15.8	13.0	11.0	11.0	9.00
TMPA0603HTV-3R3MN-D	3.30	±20	1V/100K	21.5	25.8	9.50	8.30	9.00	7.30
TMPA0603HTV-4R7MN-D	4.70	±20	1V/100K	32.0	37.0	8.50	7.00	7.00	6.00
TMPA0603HTV-5R6MN-D	5.60	±20	1V/100K	36.0	42.0	7.20	6.00	6.50	5.50
TMPA0603HTV-6R8MN-D	6.80	±20	1V/100K	43.0	50.0	6.50	5.50	6.00	5.00
TMPA0603HTV-100MN-D	10.0	±20	1V/100K	62.0	68.0	5.00	4.20	5.00	4.20
TMPA0603HTV-150MN-D	15.0	±20	1V/100K	95.0	114	3.20	2.80	4.10	3.50
TMPA0603HTV-220MN-D	22.0	±20	1V/100K	140	168	3.00	2.60	3.40	2.80

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40 .
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ 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

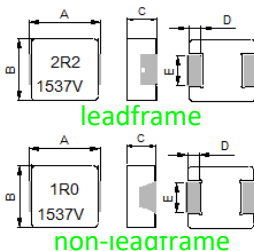
■ Specifications

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.
TMPA1004HTV-1R0MN-D	1.00	±20	1V/100K	2.80	3.07	29.0	26.0	27.0	24.0
TMPA1004HTV-1R5MN-D	1.50	±20	1V/100K	4.20	4.50	27.0	24.0	22.0	19.0
TMPA1004HTV-2R2MN-D	2.20	±20	1V/100K	6.50	7.20	21.0	18.0	18.0	15.0
TMPA1004HTV-3R3MN-D	3.30	±20	1V/100K	10.2	11.8	18.0	16.0	15.0	12.0
TMPA1004HTV-4R7MN-D	4.70	±20	1V/100K	14.3	15.3	15.0	13.0	13.0	10.0
TMPA1004HTV-5R6MN-D	5.60	±20	1V/100K	15.5	17.5	13.0	11.0	12.0	9.60
TMPA1004HTV-6R8MN-D	6.80	±20	1V/100K	20.2	22.3	11.0	10.0	10.5	9.00
TMPA1004HTV-100MN-D	10.0	±20	1V/100K	29.3	33.0	9.00	8.00	8.00	7.00
TMPA1004HTV-150MN-D	15.0	±20	1V/100K	45.0	50.0	7.60	6.50	7.00	6.00
TMPA1004HTV-220MN-D	22.0	±20	1V/100K	64.0	72.0	6.50	5.70	6.00	5.00
TMPA1004HTV-330MN-D	33.0	±20	1V/100K	110.0	117.7	5.30	4.50	5.00	4.20
TMPA1004HTV-470MN-D	47.0	±20	1V/100K	145.0	167.0	4.50	4.00	4.00	3.40
TMPA1004HTV-680MN-D	68.0	±20	1V/100K	210.0	240.0	3.50	2.80	3.50	3.00

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40 .
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ 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

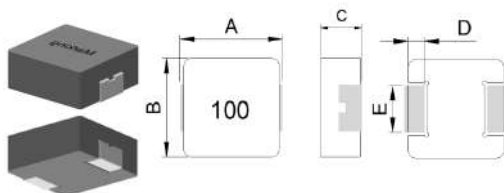
■ Specifications

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.
TMPA1265HTV-R22MN-D	0.22	±20	1V/100K	0.40	0.46	75.00	70.00	45.00	40.00
TMPA1265HTV-R33MN-D	0.33	±20	1V/100K	0.55	0.62	68.00	63.00	43.00	37.00
TMPA1265HTV-R47MN-D	0.47	±20	1V/100K	0.80	0.90	65.00	60.00	40.00	35.00
TMPA1265HTV-1R0MN-D	1.00	±20	1V/100K	1.40	1.70	37.00	33.00	35.00	30.00
TMPA1265HTV-1R2MN-D	1.20	±20	1V/100K	1.70	2.00	35.00	32.00	30.00	25.00
TMPA1265HTV-1R5MN-D	1.50	±20	1V/100K	2.20	2.53	31.00	27.00	27.00	23.00
TMPA1265HTV-2R2MN-D	2.20	±20	1V/100K	3.20	3.70	27.00	23.00	25.00	22.00
TMPA1265HTV-3R3MN-D	3.30	±20	1V/100K	4.80	5.60	24.00	21.00	22.00	20.00
TMPA1265HTV-4R7MN-D	4.70	±20	1V/100K	6.70	7.70	22.00	20.00	19.00	17.00
TMPA1265HTV-5R6MN-D	5.60	±20	1V/100K	8.00	9.20	20.00	18.00	17.00	15.00
TMPA1265HTV-6R8MN-D	6.80	±20	1V/100K	10.30	12.00	17.00	15.00	15.00	13.00
TMPA1265HTV-8R2MN-D	8.20	±20	1V/100K	11.80	13.60	16.00	14.00	13.00	12.00
TMPA1265HTV-100MN-D	10.00	±20	1V/100K	13.80	16.00	15.00	13.00	12.00	11.00
TMPA1265HTV-120MN-D	12.00	±20	1V/100K	17.30	20.00	12.50	11.50	11.00	10.00
TMPA1265HTV-150MN-D	15.00	±20	1V/100K	21.00	25.00	12.00	11.00	9.50	8.50
TMPA1265HTV-220MN-D	22.00	±20	1V/100K	30.00	35.00	9.00	8.00	8.50	7.50
TMPA1265HTV-330MN-D	33.00	±20	1V/100K	46.00	55.00	8.00	7.00	7.60	6.50

Note:

1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40 .2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ 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

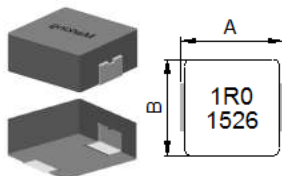
■ Specifications

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.
TMPA0402SV-R10MN	0.10	±20	1V/100K	2.90	3.20	26.0	22.0	16.0	14.0
TMPA0402SV-R22MN	0.22	±20	1V/100K	4.80	5.50	15.0	13.0	14.0	12.5
TMPA0402SV-R47MN	0.47	±20	1V/100K	9.50	11.0	9.00	8.00	10.0	9.00
TMPA0402SV-R68MN	0.68	±20	1V/100K	11.6	13.5	7.60	6.60	9.00	8.00
TMPA0402SV-R82MN	0.82	±20	1V/100K	16.3	18.8	6.00	5.50	8.00	7.00
TMPA0402SV-1R0MN	1.00	±20	1V/100K	19.0	22.0	5.50	5.00	7.50	6.50
TMPA0402SV-1R2MN	1.20	±20	1V/100K	21.0	25.0	5.40	4.90	7.00	6.20
TMPA0402SV-1R5MN	1.50	±20	1V/100K	27.0	31.0	5.20	4.80	6.70	5.80
TMPA0402SV-2R2MN	2.20	±20	1V/100K	41.0	48.0	4.50	4.00	5.50	5.00
TMPA0402SV-3R3MN	3.30	±20	1V/100K	65.0	75.0	3.10	2.70	4.50	3.50
TMPA0402SV-4R7MN	4.70	±20	1V/100K	84.0	95.0	2.80	2.50	3.80	3.20
TMPA0402SV-5R6MN	5.60	±20	1V/100K	97.0	115	2.60	2.30	3.20	2.80
TMPA0402SV-6R8MN	6.80	±20	1V/100K	131	157	2.40	2.10	2.90	2.50
TMPA0402SV-8R2MN	8.20	±20	1V/100K	140	168	2.20	2.00	2.60	2.30
TMPA0402SV-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%.

■ 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

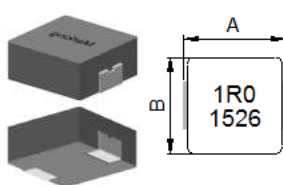
■ Specifications

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.
TMPA0503SV-R47MN-D	0.47	±20	1V/100K	5.20	6.00	10.0	9.00	13.5	12.0
TMPA0503SV-R68MN-D	0.68	±20	1V/100K	7.40	8.50	9.00	8.00	12.5	11.0
TMPA0503SV-R82MN-D	0.82	±20	1V/100K	8.00	9.20	8.80	7.70	10.0	9.00
TMPA0503SV-1R0MN-D	1.00	±20	1V/100K	10.5	12.0	8.50	7.50	9.00	8.00
TMPA0503SV-1R2MN-D	1.20	±20	1V/100K	12.0	14.4	8.00	7.00	8.50	7.50
TMPA0503SV-1R5MN-D	1.50	±20	1V/100K	13.6	15.7	7.50	6.50	8.00	7.00
TMPA0503SV-2R2MN-D	2.20	±20	1V/100K	21.6	25.0	6.50	5.80	7.00	6.50
TMPA0503SV-2R7MN-D	2.70	±20	1V/100K	26.5	30.0	6.30	5.50	6.70	6.20
TMPA0503SV-3R3MN-D	3.30	±20	1V/100K	28.0	33.0	6.00	5.30	6.30	5.80
TMPA0503SV-4R7MN-D	4.70	±20	1V/100K	38.0	44.0	5.30	4.60	5.50	4.80
TMPA0503SV-5R6MN-D	5.60	±20	1V/100K	50.0	58.0	4.60	4.00	5.00	4.30
TMPA0503SV-6R8MN-D	6.80	±20	1V/100K	57.0	66.0	3.50	3.10	4.30	3.70
TMPA0503SV-100MN-D	10.0	±20	1V/100K	88.0	103	2.50	2.10	3.80	3.40

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40℃.
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ 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

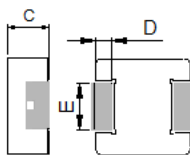
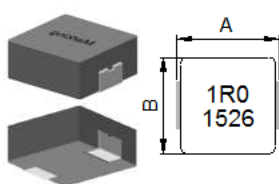
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA0603SV-R15YN-D	0.15	±30	1V/100K	1.70	2.10	40.0	36.0	30.0	25.0
TMPA0603SV-R22MN-D	0.22	±20	1V/100K	2.00	2.50	34.0	32.0	23.0	21.0
TMPA0603SV-R24MN-D	0.24	±20	1V/100K	2.20	2.70	28.0	24.0	22.5	20.5
TMPA0603SV-R33MN-D	0.33	±20	1V/100K	2.80	3.40	25.0	22.0	21.0	20.0
TMPA0603SV-R36MN-D	0.36	±20	1V/100K	3.30	3.90	24.0	21.0	20.0	18.0
TMPA0603SV-R47MN-D	0.47	±20	1V/100K	3.40	4.00	20.0	18.0	18.0	16.0
TMPA0603SV-R56MN-D	0.56	±20	1V/100K	3.90	4.50	18.0	16.0	16.5	15.0
TMPA0603SV-R68MN-D	0.68	±20	1V/100K	4.70	5.30	17.0	15.0	16.0	14.5
TMPA0603SV-R82MN-D	0.82	±20	1V/100K	5.40	6.00	16.0	14.0	14.0	13.0
TMPA0603SV-1R0MN-D	1.00	±20	1V/100K	6.70	7.40	15.0	13.5	12.0	11.0
TMPA0603SV-1R2MN-D	1.20	±20	1V/100K	7.70	9.50	14.0	12.5	10.0	9.50
TMPA0603SV-1R5MN-D	1.50	±20	1V/100K	10.2	12.1	14.0	12.0	10.0	9.00
TMPA0603SV-1R8MN-D	1.80	±20	1V/100K	10.9	13.0	12.0	10.0	9.00	8.00
TMPA0603SV-2R2MN-D	2.20	±20	1V/100K	13.5	15.0	10.0	9.00	8.00	7.50
TMPA0603SV-2R7MN-D	2.70	±20	1V/100K	17.3	20.0	9.80	8.80	7.20	7.00
TMPA0603SV-3R3MN-D	3.30	±20	1V/100K	19.0	22.0	9.50	8.50	6.50	6.00
TMPA0603SV-4R7MN-D	4.70	±20	1V/100K	28.0	33.0	6.50	5.50	5.50	5.00
TMPA0603SV-5R6MN-D	5.60	±20	1V/100K	39.0	42.0	6.00	5.20	5.50	5.00
TMPA0603SV-6R8MN-D	6.80	±20	1V/100K	43.0	50.0	6.00	5.00	4.50	4.20
TMPA0603SV-8R2MN-D	8.20	±20	1V/100K	54.0	60.0	6.00	4.70	4.50	4.00
TMPA0603SV-100MN-D	10.0	±20	1V/100K	62.0	68.0	5.50	4.50	4.00	3.50
TMPA0603SV-120MN-D	12.0	±20	1V/100K	65.0	78.0	4.60	4.10	3.50	3.00
TMPA0603SV-150MN-D	15.0	±20	1V/100K	110	140	4.50	4.00	3.00	2.50
TMPA0603SV-180MN-D	18.0	±20	1V/100K	130	160	3.50	3.00	2.70	2.30
TMPA0603SV-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 ΔT of 40℃.

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

■ 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

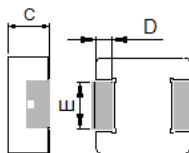
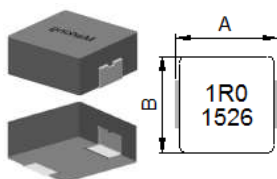
■ Specifications

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.
TMPA0604SV-R33MN-D	0.33	±20	1V/100K	2.20	2.50	28.0	25.0	25.0	23.0
TMPA0604SV-R45MN-D	0.45	±20	1V/100K	2.80	3.20	21.0	18.0	20.0	18.0
TMPA0604SV-R56MN-D	0.56	±20	1V/100K	3.40	3.70	20.0	17.0	19.0	16.0
TMPA0604SV-1R0MN-D	1.00	±20	1V/100K	5.60	6.20	15.0	13.5	15.0	13.0
TMPA0604SV-6R8MN-D	6.80	±20	1V/100K	31.0	38.0	6.80	5.80	7.60	6.60

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C.
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ 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

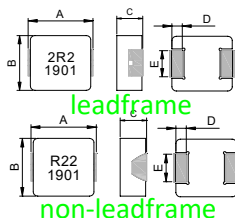
■ Specifications

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.
TMPA0605SV-R15MN-D	0.15	±20	1V/100K	1.30	1.70	45.0	40.0	35.0	32.0
TMPA0605SV-R47MN-D	0.47	±20	1V/100K	2.90	3.30	22.0	20.0	22.0	20.0
TMPA0605SV-R56MN-D	0.56	±20	1V/100K	3.40	3.90	21.0	18.0	21.0	19.0
TMPA0605SV-R68MN-D	0.68	±20	1V/100K	3.60	4.10	20.0	17.0	20.0	18.0
TMPA0605SV-R82MN-D	0.82	±20	1V/100K	5.30	5.90	18.0	15.0	18.0	16.0
TMPA0605SV-1R0MN-D	1.00	±20	1V/100K	5.60	6.20	16.0	13.0	17.0	15.0
TMPA0605SV-1R2MN-D	1.20	±20	1V/100K	6.40	7.10	14.0	11.0	16.0	14.0
TMPA0605SV-1R5MN-D	1.50	±20	1V/100K	6.60	7.30	13.0	10.5	15.0	13.0
TMPA0605SV-1R8MN-D	1.80	±20	1V/100K	7.60	9.00	11.0	9.00	14.5	12.5
TMPA0605SV-2R2MN-D	2.20	±20	1V/100K	10.0	11.5	10.0	8.50	14.0	12.0
TMPA0605SV-3R3MN-D	3.30	±20	1V/100K	14.0	16.2	9.50	8.00	13.0	11.0
TMPA0605SV-4R7MN-D	4.70	±20	1V/100K	20.8	24.0	8.80	7.50	11.0	9.50
TMPA0605SV-5R6MN-D	5.60	±20	1V/100K	28.0	33.0	8.00	7.20	10.0	8.50
TMPA0605SV-6R8MN-D	6.80	±20	1V/100K	30.0	36.0	7.60	7.00	9.00	8.00
TMPA0605SV-8R2MN-D	8.20	±20	1V/100K	38.5	45.0	6.50	6.00	7.50	6.50
TMPA0605SV-100MN-D	10.0	±20	1V/100K	44.0	53.0	6.00	5.70	7.00	6.00
TMPA0605SV-120MN-D	12.0	±20	1V/100K	56.0	68.0	5.10	4.70	5.80	4.80
TMPA0605SV-150MN-D	15.0	±20	1V/100K	73.0	85.0	4.00	3.20	5.00	4.00
TMPA0605SV-220MN-D	22.0	±20	1V/100K	122	142	3.60	3.10	4.20	3.60
TMPA0605SV-330MN-D	33.0	±20	1V/100K	142	170	2.30	1.80	3.00	2.50
TMPA0605SV-470MN-D	47.0	±20	1V/100K	275	320	1.80	1.50	2.60	2.00

Note:

1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40℃.2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ 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

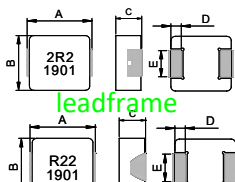
■ Specifications

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.
TMPA1003SV-R22MN-D	0.22	±20	1V/100K	0.90	1.00	50.0	45.0	33.0	30.0
TMPA1003SV-R36MN-D	0.36	±20	1V/100K	1.25	1.40	40.0	35.0	28.0	25.0
TMPA1003SV-R47MN-D	0.47	±20	1V/100K	1.80	2.20	36.0	32.0	26.0	23.0
TMPA1003SV-R82MN-D	0.82	±20	1V/100K	3.10	3.70	28.0	25.0	20.0	18.0
TMPA1003SV-2R2MN-D	2.20	±20	1V/100K	7.80	8.80	18.0	16.0	14.0	12.0
TMPA1003SV-8R2MN-D	8.20	±20	1V/100K	32.0	38.0	7.20	6.80	7.20	6.50

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40 .
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ Dimensions



leadframe
non-leadframe

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

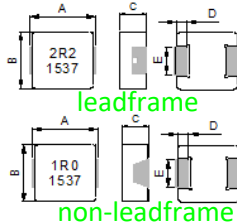
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA1004SV-R15YN-D	0.15	±30	1V/100K	0.50	0.60	82.00	75.00	44.00	38.00
TMPA1004SV-R18MN-D	0.18	±20	1V/100K	0.53	0.63	76.00	68.00	40.00	36.00
TMPA1004SV-R22MN-D	0.22	±20	1V/100K	0.72	0.83	70.00	60.00	36.00	33.00
TMPA1004SV-R33MN-D	0.33	±20	1V/100K	0.87	0.98	55.00	49.00	34.00	31.00
TMPA1004SV-R36MN-D	0.36	±20	1V/100K	1.05	1.18	51.00	45.00	33.00	29.00
TMPA1004SV-R42MN-D	0.42	±20	1V/100K	1.15	1.30	50.00	42.00	32.50	28.50
TMPA1004SV-R45MN-D	0.45	±20	1V/100K	1.20	1.40	48.00	42.00	32.50	28.50
TMPA1004SV-R47MN-D	0.47	±20	1V/100K	1.30	1.50	46.00	40.00	32.00	28.00
TMPA1004SV-R56MN-D	0.56	±20	1V/100K	1.60	1.80	34.00	29.00	25.00	23.00
TMPA1004SV-R68MN-D	0.68	±20	1V/100K	1.90	2.20	31.00	28.00	23.00	20.00
TMPA1004SV-R82MN-D	0.82	±20	1V/100K	2.10	2.50	30.00	27.00	22.00	19.00
TMPA1004SV-R88MN-D	0.88	±20	1V/100K	2.20	2.60	29.50	27.00	21.00	19.00
TMPA1004SV-R90MN-D	0.90	±20	1V/100K	2.20	2.60	29.50	27.00	21.00	19.00
TMPA1004SV-1R0MN-D	1.00	±20	1V/100K	2.90	3.25	29.00	26.00	20.00	18.00
TMPA1004SV-1R2MN-D	1.20	±20	1V/100K	3.20	3.80	27.50	24.00	18.50	17.00
TMPA1004SV-1R5MN-D	1.50	±20	1V/100K	3.70	4.20	26.00	22.00	17.50	16.00
TMPA1004SV-1R8MN-D	1.80	±20	1V/100K	5.10	5.70	23.00	20.50	16.50	15.00
TMPA1004SV-2R0MN-D	2.00	±20	1V/100K	5.30	6.10	21.00	18.00	16.00	14.50
TMPA1004SV-2R2MN-D	2.20	±20	1V/100K	5.80	6.70	20.00	16.00	15.00	13.00
TMPA1004SV-3R3MN-D	3.30	±20	1V/100K	10.50	11.80	17.50	14.00	11.00	10.00
TMPA1004SV-4R7MN-D	4.70	±20	1V/100K	15.80	19.00	15.20	13.00	8.80	8.00
TMPA1004SV-5R6MN-D	5.60	±20	1V/100K	19.00	22.80	14.10	11.50	8.00	7.20
TMPA1004SV-6R8MN-D	6.80	±20	1V/100K	22.00	24.50	12.20	11.00	7.80	6.80
TMPA1004SV-8R2MN-D	8.20	±20	1V/100K	25.00	28.00	9.50	8.50	7.60	6.50
TMPA1004SV-100MN-D	10.0	±20	1V/100K	27.00	30.00	8.60	7.50	7.50	6.10
TMPA1004SV-150MN-D	15.0	±20	1V/100K	41.00	45.00	7.00	6.00	6.25	5.00
TMPA1004SV-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%.

■ 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

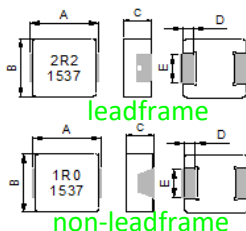
■ Specifications

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.
TMPA1005SV-R30MN-D	0.30	±20	1V/100K	0.67	0.80	55.0	49.0	36.0	32.0
TMPA1005SV-R36MN-D	0.36	±20	1V/100K	0.82	0.92	52.0	46.0	34.0	30.0
TMPA1005SV-R47MN-D	0.47	±20	1V/100K	1.15	1.32	46.0	40.0	33.0	29.0
TMPA1005SV-R68MN-D	0.68	±20	1V/100K	1.60	1.90	35.0	32.0	28.0	25.0
TMPA1005SV-1R0MN-D	1.00	±20	1V/100K	2.60	3.00	33.0	30.0	25.0	23.0
TMPA1005SV-1R5MN-D	1.50	±20	1V/100K	3.40	3.80	27.0	24.0	23.0	21.0
TMPA1005SV-2R2MN-D	2.20	±20	1V/100K	5.10	5.60	20.0	18.0	19.5	17.5
TMPA1005SV-3R3MN-D	3.30	±20	1V/100K	8.10	9.10	17.5	15.5	17.0	15.0
TMPA1005SV-4R7MN-D	4.70	±20	1V/100K	9.30	10.5	16.0	14.0	15.0	13.0
TMPA1005SV-5R6MN-D	5.60	±20	1V/100K	12.8	14.4	15.0	12.5	13.0	11.0
TMPA1005SV-6R8MN-D	6.80	±20	1V/100K	15.0	17.3	14.0	12.0	12.0	10.0
TMPA1005SV-8R2MN-D	8.20	±20	1V/100K	16.1	18.8	13.5	11.5	10.0	8.50
TMPA1005SV-100MN-D	10.0	±20	1V/100K	18.9	21.8	13.0	11.0	7.60	7.20
TMPA1005SV-150MN-D	15.0	±20	1V/100K	32.0	39.0	8.50	7.50	6.50	6.00
TMPA1005SV-330MN-D	33.0	±20	1V/100K	74.0	86.0	5.80	5.20	5.50	5.00
TMPA1005SV-220MN-D	22.0	±20	1V/100K	44.0	54.0	6.00	5.50	6.00	5.50
TMPA1005SV-470MN-D	47.0	±20	1V/100K	106	127	3.50	4.00	4.50	4.00
TMPA1005SV-101MN-D	100	±20	1V/100K	242	290	2.80	2.40	2.20	2.00

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40 .
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ 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.
TMPA1205SPV-R22MN-D	0.22	±20	1V/100K	0.67	0.80	55.00	49.00	36.00	32.00
TMPA1205SPV-R47MN-D	0.47	±20	1V/100K	0.82	0.92	52.00	46.00	34.00	30.00
TMPA1205SPV-R56MN-D	0.56	±20	1V/100K	1.15	1.32	46.00	40.00	33.00	29.00
TMPA1205SPV-R68MN-D	0.68	±20	1V/100K	1.60	1.90	35.00	32.00	28.00	25.00
TMPA1205SPV-R82MN-D	0.82	±20	1V/100K	2.60	3.00	33.00	30.00	25.00	23.00
TMPA1205SPV-1R0MN-D	1.00	±20	1V/100K	3.40	3.80	27.00	24.00	23.00	21.00
TMPA1205SPV-1R2MN-D	1.20	±20	1V/100K	5.10	5.60	20.00	18.00	19.50	17.50
TMPA1205SPV-1R5MN-D	1.50	±20	1V/100K	8.10	9.10	17.50	15.50	17.00	15.00
TMPA1205SPV-1R8MN-D	1.80	±20	1V/100K	9.30	10.50	16.00	14.00	15.00	13.00
TMPA1205SPV-2R2MN-D	2.20	±20	1V/100K	12.80	14.40	15.00	12.50	13.00	11.00
TMPA1205SPV-3R3MN-D	3.30	±20	1V/100K	15.00	17.30	14.00	12.00	12.00	10.00
TMPA1205SPV-4R7MN-D	4.70	±20	1V/100K	16.10	18.80	13.50	11.50	10.00	8.50
TMPA1205SPV-5R6MN-D	5.60	±20	1V/100K	18.90	21.80	13.00	11.00	7.60	7.20
TMPA1205SPV-6R8MN-D	6.80	±20	1V/100K	32.00	39.00	8.50	7.50	6.50	6.00
TMPA1205SPV-8R2MN-D	8.20	±20	1V/100K	74.00	86.00	5.80	5.20	5.50	5.00
TMPA1205SPV-100MN-D	10.0	±20	1V/100K	44.00	54.00	6.00	5.50	6.00	5.50
TMPA1205SPV-150MN-D	15.0	±20	1V/100K	106.00	127.00	3.50	4.00	4.50	4.00
TMPA1205SPV-220MN-D	22.0	±20	1V/100K	242.00	290.00	2.80	2.40	2.20	2.00
TMPA1205SPV-330MN-D	33.0	±20	1V/100K	66.00	80.00	7.30	6.50	6.00	5.20
TMPA1205SPV-390MN-D	39.0	±20	1V/100K	70.00	84.00	6.60	5.80	5.60	4.80
TMPA1205SPV-470MN-D	47.0	±20	1V/100K	78.00	94.00	6.00	5.20	5.20	4.30
TMPA1205SPV-680MN-D	68.0	±20	1V/100K	110.00	132.00	5.00	4.40	4.30	3.60
TMPA1205SPV-101MN-D	100	±20	1V/100K	175.00	210.00	4.00	3.70	3.50	3.00
TMPA1205SPV-121MN-D	120	±20	1V/100K	225.00	270.00	3.70	3.20	3.00	2.50
TMPA1205SPV-151MN-D	150	±20	1V/100K	280.00	336.00	3.20	2.80	2.70	2.30

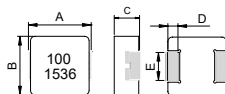
Note:

- 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%.

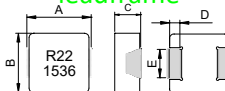

TAI-TECH

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For the latest specification, please visit our website: www.tai-tech.com.tw

■ Dimensions



leadframe



non-leadframe

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

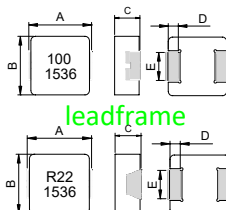
■ Specifications

Part Number	Inductance (μ H)	Tolerance (%)	Test Frequency (Hz)	DCR (m Ω) typ.	DCR (m Ω) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA1206SPV-R36MN-D	0.36	±20	1V/100K	0.65	0.80	70.0	60.0	60.0	50.0
TMPA1206SPV-R82MN-D	0.82	±20	1V/100K	1.40	1.70	41.0	36.0	35.0	30.0
TMPA1206SPV-1R0MN-D	1.00	±20	1V/100K	1.70	2.00	34.0	29.0	30.0	26.0
TMPA1206SPV-1R5MN-D	1.50	±20	1V/100K	2.40	3.00	32.0	27.0	28.0	24.0
TMPA-1206SPV-2R2MN-D	2.20	±20	1V/100K	3.70	4.30	28.0	24.0	25.0	21.0
TMPA1206SPV-3R3MN-D	3.30	±20	1V/100K	5.30	6.50	28.0	24.0	21.0	18.0
TMPA1206SPV-4R7MN-D	4.70	±20	1V/100K	7.00	8.40	23.0	19.5	19.0	16.0
TMPA1206SPV-5R6MN-D	5.60	±20	1V/100K	9.00	10.8	19.0	17.0	16.0	14.0
TMPA1206SPV-8R2MN-D	8.20	±20	1V/100K	13.5	16.0	17.0	15.5	13.5	12.0
TMPA1206SPV-100MN-D	10.0	±20	1V/100K	15.5	18.6	16.0	14.5	12.0	10.5
TMPA1206SPV-150MN-D	15.0	±20	1V/100K	24.0	29.0	10.0	9.00	10.0	8.50
TMPA1206SPV-220MN-D	22.0	±20	1V/100K	31.2	37.5	9.00	8.00	8.00	7.00
TMPA1206SPV-330MN-D	33.0	±20	1V/100K	56.0	68.0	7.80	6.70	6.50	5.50
TMPA1206SPV-470MN-D	47.0	±20	1V/100K	76.0	88.0	6.70	5.50	5.20	4.50
TMPA1206SPV-560MN-D	56.0	±20	1V/100K	90.0	108	6.30	5.30	4.90	4.10
TMPA1206SPV-680MN-D	68.0	±20	1V/100K	103	124	5.80	5.00	4.50	3.70
TMPA1206SPV-101MN-D	100	±20	1V/100K	162	195	5.00	4.00	3.20	2.80
TMPA1206SPV-151MN-D	150	±20	1V/100K	270	325	4.10	3.20	2.60	2.20

Note:

- Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40 .
- Saturation Current (I_{sat}) will cause L₀ to drop approximately 30%.

■ Dimensions



leadframe

non-leadframe

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

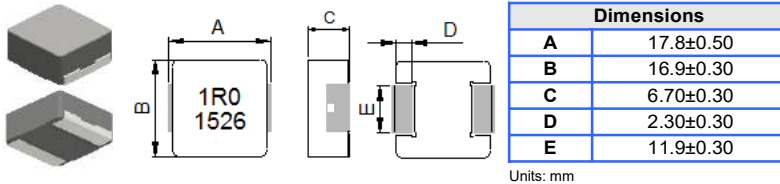
■ Specifications

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.
TMPA1265SPV-R22MN-D	0.22	±20	1V/100K	0.40	0.46	112.00	105.00	53.00	42.00
TMPA1265SPV-R33MN-D	0.33	±20	1V/100K	0.60	0.70	75.00	65.00	46.00	36.00
TMPA1265SPV-R47MN-D	0.47	±20	1V/100K	0.88	1.02	68.00	58.00	42.00	35.00
TMPA1265SPV-R50MN-D	0.50	±20	1V/100K	0.90	1.10	60.00	55.00	38.00	34.00
TMPA1265SPV-R56MN-D	0.56	±20	1V/100K	1.10	1.30	57.00	50.00	37.00	33.50
TMPA1265SPV-R68MN-D	0.68	±20	1V/100K	1.25	1.50	55.00	46.00	36.50	33.00
TMPA1265SPV-R82MN-D	0.82	±20	1V/100K	1.30	1.65	48.00	39.00	35.00	31.00
TMPA1265SPV-1R0MN-D	1.00	±20	1V/100K	1.50	1.80	45.00	36.00	33.00	29.00
TMPA1265SPV-1R2MN-D	1.20	±20	1V/100K	1.80	2.20	38.00	33.00	31.00	27.00
TMPA1265SPV-1R5MN-D	1.50	±20	1V/100K	2.20	2.53	35.00	30.00	29.00	25.00
TMPA1265SPV-1R8MN-D	1.80	±20	1V/100K	3.20	3.60	31.00	27.00	27.00	23.00
TMPA1265SPV-2R2MN-D	2.20	±20	1V/100K	3.70	4.20	28.50	24.00	25.00	21.00
TMPA1265SPV-2R4MN-D	2.40	±20	1V/100K	3.90	4.50	28.00	23.50	24.50	20.50
TMPA1265SPV-2R7MN-D	2.70	±20	1V/100K	4.20	5.00	27.50	23.00	24.00	20.00
TMPA1265SPV-3R3MN-D	3.30	±20	1V/100K	5.30	6.20	27.00	22.50	22.00	19.00
TMPA1265SPV-4R7MN-D	4.70	±20	1V/100K	6.80	8.00	25.00	21.00	20.00	17.00
TMPA1265SPV-5R6MN-D	5.60	±20	1V/100K	8.30	9.80	23.00	19.50	18.00	15.00
TMPA1265SPV-6R0MN-D	6.00	±20	1V/100K	8.60	10.40	22.00	19.00	17.00	14.50
TMPA1265SPV-6R8MN-D	6.80	±20	1V/100K	9.80	11.30	21.00	18.00	16.50	14.00
TMPA1265SPV-8R2MN-D	8.20	±20	1V/100K	12.00	13.80	19.00	17.00	15.00	12.50
TMPA1265SPV-100MN-D	10.0	±20	1V/100K	13.00	15.80	17.00	15.00	13.00	11.00
TMPA1265SPV-150MN-D	15.0	±20	1V/100K	22.00	26.00	13.50	12.00	11.00	9.50
TMPA1265SPV-220MN-D	22.0	±20	1V/100K	31.00	35.00	10.00	9.00	10.00	8.00
TMPA1265SPV-270MN-D	27.0	±20	1V/100K	36.00	45.00	9.00	8.00	9.50	7.20
TMPA1265SPV-330MN-D	33.0	±20	1V/100K	46.00	55.00	9.00	8.00	9.00	6.50
TMPA1265SPV-470MN-D	47.0	±20	1V/100K	58.00	67.00	7.60	6.80	8.00	5.70
TMPA1265SPV-680MN-D	68.0	±20	1V/100K	82.00	100.00	6.00	5.00	5.80	4.80
TMPA1265SPV-820MN-D	82.0	±20	1V/100K	110.00	132.00	5.00	4.20	5.00	4.00
TMPA1265SPV-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%.

■ Dimensions



Units: mm

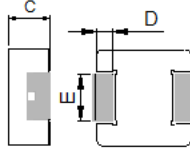
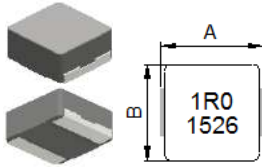
■ Specifications

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.
TMPA1707SPV-R47MN-D	0.47	±20	1V/100K	0.70	0.90	110	100	60.0	55.0
TMPA1707SPV-R56MN-D	0.56	±20	1V/100K	0.81	0.97	80.0	70.0	56.0	50.0
TMPA1707SPV-1R0MN-D	1.00	±20	1V/100K	1.06	1.30	50.0	45.0	46.0	42.0
TMPA1707SPV-1R5MN-D	1.50	±20	1V/100K	1.50	1.80	46.0	40.0	39.0	35.0
TMPA1707SPV-1R8MN-D	1.80	±20	1V/100K	1.70	2.00	40.0	34.0	35.0	32.0
TMPA1707SPV-2R0MN-D	2.00	±20	1V/100K	1.75	2.10	37.0	33.0	33.0	31.0
TMPA1707SPV-2R2MN-D	2.20	±20	1V/100K	1.80	2.20	35.0	32.0	32.0	30.0
TMPA1707SPV-3R3MN-D	3.30	±20	1V/100K	2.70	3.30	32.0	29.0	30.0	28.0
TMPA1707SPV-4R0MN-D	4.00	±20	1V/100K	3.50	4.30	30.0	27.0	29.0	27.0
TMPA1707SPV-4R7MN-D	4.70	±20	1V/100K	3.70	4.50	29.0	26.0	28.0	26.0
TMPA1707SPV-5R6MN-D	5.60	±20	1V/100K	5.00	6.00	27.0	23.0	26.0	23.0
TMPA1707SPV-6R8MN-D	6.80	±20	1V/100K	6.00	7.20	25.0	22.0	24.0	22.0
TMPA1707SPV-100MN-D	10.0	±20	1V/100K	9.20	10.6	22.0	19.0	21.0	19.0
TMPA1707SPV-150MN-D	15.0	±20	1V/100K	12.8	15.5	16.0	14.0	16.0	14.0
TMPA1707SPV-180MN-D	18.0	±20	1V/100K	16.5	20.0	14.0	12.0	14.5	12.5
TMPA1707SPV-220MN-D	22.0	±20	1V/100K	20.5	24.0	13.5	11.5	13.5	11.5
TMPA1707SPV-330MN-D	33.0	±20	1V/100K	32.0	37.0	12.0	10.0	12.0	10.0
TMPA1707SPV-470MN-D	47.0	±20	1V/100K	40.0	47.0	9.50	8.00	9.50	8.00
TMPA1707SPV-680MN-D	68.0	±20	1V/100K	66.0	76.0	8.50	7.20	8.00	6.50
TMPA1707SPV-820MN-D	82.0	±20	1V/100K	69.0	83.0	8.00	6.50	6.50	5.70
TMPA1707SPV-101MN-D	100	±20	1V/100K	90.0	105	6.50	5.50	6.00	5.00

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40 .
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ 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

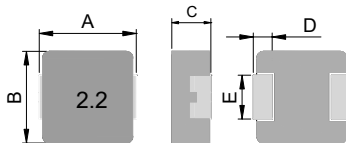
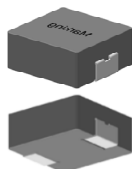
■ Specifications

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.
TMPA2313SPV-1R5MN-D	1.50	±20	1V/100K	1.00	1.15	52.0	48.0	62.0	57.0
TMPA2313SPV-2R0MN-D	2.00	±20	1V/100K	1.02	1.20	50.0	45.0	60.0	54.0
TMPA2313SPV-2R2MN-D	2.20	±20	1V/100K	1.05	1.25	48.0	43.0	58.0	52.0
TMPA2313SPV-3R0MN-D	3.00	±20	1V/100K	1.42	1.64	44.0	39.0	51.0	48.0
TMPA2313SPV-3R3MN-D	3.30	±20	1V/100K	1.50	1.75	41.0	37.0	49.0	47.0
TMPA2313SPV-4R7MN-D	4.70	±20	1V/100K	1.90	2.20	38.0	34.0	47.0	44.0
TMPA2313SPV-6R8MN-D	6.80	±20	1V/100K	2.70	3.10	36.0	32.0	40.0	36.0
TMPA2313SPV-8R2MN-D	8.20	±20	1V/100K	3.40	3.80	31.0	27.0	35.0	32.0
TMPA2313SPV-100MN-D	10.0	±20	1V/100K	3.80	4.15	28.0	20.0	33.0	30.0
TMPA2313SPV-150MN-D	15.0	±20	1V/100K	5.10	6.12	23.0	18.0	26.0	23.0
TMPA2313SPV-220MN-D	22.0	±20	1V/100K	9.20	11.0	15.0	14.0	22.0	18.0
TMPA2313SPV-230MN-D	23.0	±20	1V/100K	9.20	11.0	15.0	14.0	22.0	18.0
TMPA2313SPV-330MN-D	33.0	±20	1V/100K	13.5	15.4	12.0	10.5	19.0	16.0
TMPA2313SPV-470MN-D	47.0	±20	1V/100K	17.3	20.8	12.0	10.0	17.0	14.0
TMPA2313SPV-680MN-D	68.0	±20	1V/100K	26.2	29.5	12.0	9.00	14.0	12.0
TMPA2313SPV-750MN-D	75.0	±20	1V/100K	27.5	31.6	10.5	8.50	13.0	11.0
TMPA2313SPV-820MN-D	82.0	±20	1V/100K	31.0	34.2	9.00	7.70	12.0	10.0
TMPA2313SPV-101MN-D	100	±20	1V/100K	36.0	40.0	9.00	7.50	11.0	9.50

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40 .
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ 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

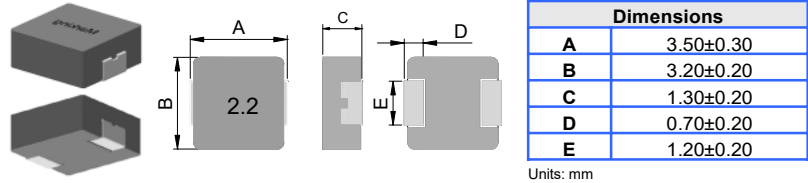
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC0312HV-R47MG	0.47	±20	1V/100K	25.0	30.0	7.20	6.50	5.00	4.50
TMPC0312HV-R56MG	0.56	±20	1V/100K	31.0	36.0	6.60	5.80	4.50	4.00
TMPC0312HV-R68MG	0.68	±20	1V/100K	34.0	40.0	6.10	5.60	4.00	3.50
TMPC0312HV-R82MG	0.82	±20	1V/100K	41.0	48.0	5.80	5.30	3.50	3.00
TMPC0312HV-1R0MG	1.00	±20	1V/100K	50.0	60.0	5.50	5.00	3.30	2.90
TMPC0312HV-1R5MG	1.50	±20	1V/100K	71.0	85.0	4.00	3.60	3.00	2.60
TMPC0312HV-2R2MG	2.20	±20	1V/100K	98.0	115	3.40	3.00	2.70	2.30
TMPC0312HV-3R3MG	3.30	±20	1V/100K	191	210	3.10	2.80	2.00	1.70
TMPC0312HV-4R7MG	4.70	±20	1V/100K	266	293	2.80	2.50	1.60	1.40
TMPC0312HV-5R6MG	5.60	±20	1V/100K	310	360	2.20	1.90	1.50	1.30
TMPC0312HV-6R8MG	6.80	±20	1V/100K	360	400	2.00	1.70	1.40	1.20
TMPC0312HV-8R2MG	8.20	±20	1V/100K	420	463	1.70	1.50	1.20	1.00
TMPC0312HV-100MG	10.0	±20	1V/100K	498	550	1.40	1.20	1.00	0.80

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40 .
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.



■ Dimensions



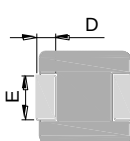
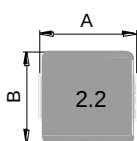
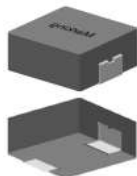
■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I rms (A) typ.
TMPC0315HV-R22MG	0.22	±20	1V/100K	14.0	17.0	10.8	7.00
TMPC0315HV-R47MG	0.47	±20	1V/100K	23.3	28.0	8.00	5.50
TMPC0315HV-R56MG	0.56	±20	1V/100K	28.0	33.0	7.20	5.00
TMPC0315HV-R68MG	0.68	±20	1V/100K	34.0	42.0	6.50	4.50
TMPC0315HV-1R0MG	1.00	±20	1V/100K	41.0	50.0	5.80	3.60
TMPC0315HV-1R5MG	1.50	±20	1V/100K	64.0	77.0	4.00	3.40
TMPC0315HV-2R2MG	2.20	±20	1V/100K	82.0	98.0	3.80	3.20
TMPC0315HV-3R3MG	3.30	±20	1V/100K	170	205	3.20	2.50
TMPC0315HV-4R7MG	4.70	±20	1V/100K	220	264	2.80	1.90
TMPC0315HV-5R6MG	5.60	±20	1V/100K	265	318	2.30	1.70
TMPC0315HV-6R8MG	6.80	±20	1V/100K	290	348	2.00	1.50
TMPC0315HV-8R2MG	8.20	±20	1V/100K	390	468	1.80	1.30
TMPC0315HV-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 ΔT of 40 .
- 2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

■ 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

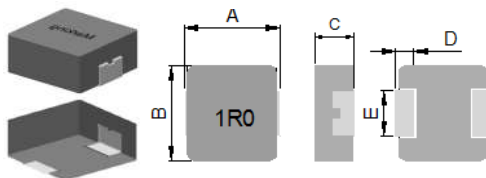
■ Specifications

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.
TMPC0302HV-R10YG	0.10	±30	1V/100K	6.60	9.00	14.0	12.5	10.5	9.50
TMPC0302HV-R22YG	0.22	±30	1V/100K	11.0	14.0	11.2	10.5	9.00	8.00
TMPC0302HV-R33MG	0.33	±20	1V/100K	17.0	21.0	10.0	9.00	8.00	7.00
TMPC0302HV-R47MG	0.47	±20	1V/100K	19.7	23.0	9.00	8.00	7.00	6.00
TMPC0302HV-R60MG	0.60	±20	1V/100K	24.0	28.0	7.50	6.90	6.00	5.00
TMPC0302HV-R68MG	0.68	±20	1V/100K	25.5	29.0	7.00	6.50	5.50	4.50
TMPC0302HV-R82MG	0.82	±20	1V/100K	27.0	32.0	6.00	5.50	4.80	4.30
TMPC0302HV-1R0MG	1.00	±20	1V/100K	32.0	38.0	5.00	4.50	4.00	3.50
TMPC0302HV-1R2MG	1.20	±20	1V/100K	39.0	47.0	4.50	4.00	3.90	3.30
TMPC0302HV-1R5MG	1.50	±20	1V/100K	42.0	50.0	4.00	3.50	3.80	3.10
TMPC0302HV-2R2MG	2.20	±20	1V/100K	65.0	75.0	3.70	3.20	3.50	3.00
TMPC0302HV-3R3MG	3.30	±20	1V/100K	125	145	3.50	3.00	3.00	2.60
TMPC0302HV-4R7MG	4.70	±20	1V/100K	172	200	3.00	2.60	2.60	2.20
TMPC0302HV-5R6MG	5.60	±20	1V/100K	205	238	2.60	2.20	2.20	1.80
TMPC0302HV-6R8MG	6.80	±20	1V/100K	260	300	2.20	1.90	1.90	1.50
TMPC0302HV-8R2MG	8.20	±20	1V/100K	340	390	1.90	1.60	1.60	1.30
TMPC0302HV-100MG	10.0	±20	1V/100K	366	422	1.60	1.40	1.40	1.10

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40℃.
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ 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

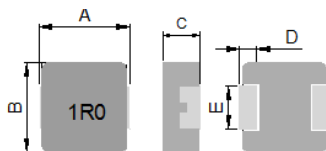
■ Specifications

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.
TMPC0412HPV-R10YG-Z02	0.10	±30	1V/100K	4.30	5.50	25.0	22.0	11.5	10.0
TMPC0412HPV-R12YG-Z02	0.12	±30	1V/100K	4.80	6.20	23.0	21.0	10.5	10.0
TMPC0412HPV-R15YG-Z02	0.15	±30	1V/100K	5.50	6.80	21.5	19.0	10.0	9.00
TMPC0412HPV-R22MG-Z02	0.22	±20	1V/100K	6.60	8.00	20.0	17.0	8.50	7.50
TMPC0412HPV-R25MG-Z02	0.25	±20	1V/100K	8.00	10.0	16.0	14.0	8.20	7.00
TMPC0412HPV-R33MG-Z02	0.33	±20	1V/100K	13.6	16.0	11.0	9.00	7.00	6.00
TMPC0412HPV-R36MG-Z02	0.36	±20	1V/100K	15.5	18.0	8.50	7.00	6.50	5.50
TMPC0412HPV-R47MG-Z02	0.47	±20	1V/100K	18.0	20.0	6.50	5.50	6.00	5.00
TMPC0412HPV-R60MG-Z02	0.60	±20	1V/100K	22.5	26.0	6.00	5.00	5.30	4.50
TMPC0412HPV-R68MG-Z02	0.68	±20	1V/100K	32.0	37.0	6.00	5.00	5.00	4.00
TMPC0412HPV-R82MG-Z02	0.82	±20	1V/100K	38.0	44.0	6.00	5.00	4.50	3.80
TMPC0412HPV-1R0MG-Z02	1.00	±20	1V/100K	41.0	47.0	6.00	5.00	4.00	3.50
TMPC0412HPV-1R2MG-Z02	1.20	±20	1V/100K	48.0	56.0	5.00	4.20	3.50	2.70
TMPC0412HPV-1R5MG-Z02	1.50	±20	1V/100K	55.0	63.3	4.00	3.20	3.00	2.40
TMPC0412HPV-2R2MG-Z02	2.20	±20	1V/100K	69.2	80.0	3.50	3.00	2.80	2.20
TMPC0412HPV-3R3MG-Z02	3.30	±20	1V/100K	84.0	97.0	3.00	2.70	2.30	2.00
TMPC0412HPV-4R7MG-Z02	4.70	±20	1V/100K	128	145	2.50	2.30	2.00	1.70
TMPC0412HPV-5R6MG-Z02	5.60	±20	1V/100K	180	208	2.30	2.00	1.70	1.50
TMPC0412HPV-6R8MG-Z02	6.80	±20	1V/100K	300	360	1.70	1.50	1.50	1.30
TMPC0412HPV-8R2MG-Z02	8.20	±20	1V/100K	313	376	1.60	1.40	1.40	1.10
TMPC0412HPV-100MG-Z02	10.0	±20	1V/100K	410	463	1.40	1.20	1.30	1.00

Note:

- Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C.
- Saturation Current (I_{sat}) will cause L₀ to drop approximately 30%.

■ 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

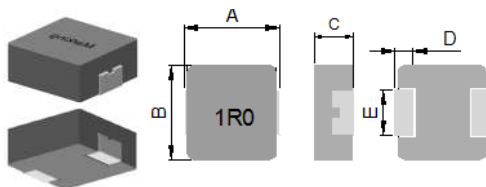
■ Specifications

Part Number	Inductance (μ H)	Tolerance (%)	Test Frequency (Hz)	DCR (m Ω) typ.	DCR (m Ω) max.	I sat (A) typ.	I rms (A) typ.
TMPC0415HPV-R12YG-Z02	0.12	±30	1V/100K	4.00	5.0	20.0	15.0
TMPC0415HPV-R22MG-Z02	0.22	±20	1V/100K	6.50	7.8	20.0	10.0
TMPC0415HPV-R47MG-Z02	0.47	±20	1V/100K	15.0	19.0	11.0	8.00
TMPC0415HPV-R68MG-Z02	0.68	±20	1V/100K	19.0	21.5	8.50	6.50
TMPC0415HPV-R82MG-Z02	0.82	±20	1V/100K	29.0	36.0	7.50	5.50
TMPC0415HPV-1R0MG-Z02	1.00	±20	1V/100K	34.0	40.0	7.00	5.00
TMPC0415HPV-2R2MG-Z02	2.20	±20	1V/100K	63.0	72.0	4.00	3.20
TMPC0415HPV-4R7MG-Z02	4.70	±20	1V/100K	120	140	2.80	2.20
TMPC0415HPV-6R8MG-Z02	6.80	±20	1V/100K	230	276	2.30	1.70
TMPC0415HPV-100MG-Z02	10.0	±20	1V/100K	345	400	1.90	1.50

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C.
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ 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

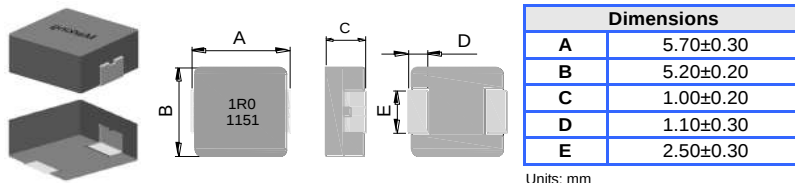
■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I rms (A) typ.
TMPC0402HPV-R33MG-Z02	0.33	±20	1V/100K	7.80	8.60	18.0	10.0
TMPC0402HPV-R36MG-Z02	0.36	±20	1V/100K	8.70	12.0	15.0	9.00
TMPC0402HPV-R47MG-Z02	0.47	±20	1V/100K	11.2	14.0	12.0	8.00
TMPC0402HPV-R56MG-Z02	0.56	±20	1V/100K	13.5	16.0	10.0	7.30
TMPC0402HPV-R68MG-Z02	0.68	±20	1V/100K	16.0	19.0	10.0	7.00
TMPC0402HPV-1R0MG-Z02	1.00	±20	1V/100K	22.0	27.0	8.50	5.00
TMPC0402HPV-1R2MG-Z02	1.20	±20	1V/100K	25.0	30.0	7.80	4.80
TMPC0402HPV-1R5MG-Z02	1.50	±20	1V/100K	34.8	42.0	7.00	4.50
TMPC0402HPV-2R2MG-Z02	2.20	±20	1V/100K	51.0	61.0	6.00	4.00
TMPC0402HPV-3R3MG-Z02	3.30	±20	1V/100K	69.0	76.0	4.00	3.50
TMPC0402HPV-4R7MG-Z02	4.70	±20	1V/100K	95.0	105	3.50	2.60
TMPC0402HPV-5R6MG-Z02	5.60	±20	1V/100K	112	125	3.00	2.20
TMPC0402HPV-6R8MG-Z02	6.80	±20	1V/100K	150	172	2.80	2.10
TMPC0402HPV-8R2MG-Z02	8.20	±20	1V/100K	158	180	2.50	2.00
TMPC0402HPV-100MG-Z02	10.0	±20	1V/100K	215	243	2.30	1.80
TMPC0402HPV-150MG-Z02	15.0	±20	1V/100K	325	374	1.90	1.50
TMPC0402HPV-200MG-Z02	20.0	±20	1V/100K	435	480	1.70	1.30
TMPC0402HPV-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 ΔT of 40℃.
- 2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

■ Dimensions



Units: mm

■ Specifications

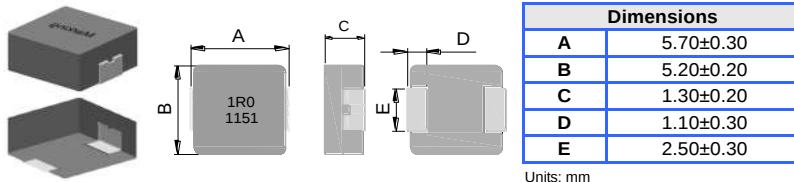
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC0512HPV-R10YG-D	0.10	±30	1V/100K	4.30	5.20	14.5	14.0	14.0	13.0
TMPC0512HPV-R15YG-D	0.15	±30	1V/100K	4.50	6.00	14.2	13.8	12.0	11.0
TMPC0512HPV-R22MG-D	0.22	±20	1V/100K	5.50	6.70	14.0	13.5	10.7	10.0
TMPC0512HPV-R33MG-D	0.33	±20	1V/100K	7.80	9.40	13.5	13.0	8.50	8.00
TMPC0512HPV-R36MG-D	0.36	±20	1V/100K	10.0	11.5	13.0	12.5	8.00	7.50
TMPC0512HPV-R47MG-D	0.47	±20	1V/100K	13.6	15.8	11.0	10.5	7.00	6.50
TMPC0512HPV-R68MG-D	0.68	±20	1V/100K	21.5	24.5	9.00	8.50	6.00	5.50
TMPC0512HPV-1R0MG-D	1.00	±20	1V/100K	26.0	30.0	6.00	5.50	5.00	4.50
TMPC0512HPV-1R2MG-D	1.20	±20	1V/100K	33.0	40.0	5.50	5.00	4.50	4.00
TMPC0512HPV-1R5MG-D	1.50	±20	1V/100K	38.0	44.0	5.00	4.50	4.00	3.50
TMPC0512HPV-2R2MG-D	2.20	±20	1V/100K	65.0	75.0	4.00	3.60	3.50	3.00
TMPC0512HPV-3R3MG-D	3.30	±20	1V/100K	75.0	86.0	3.80	3.40	3.00	2.60
TMPC0512HPV-4R7MG-D	4.70	±20	1V/100K	100	115	3.20	3.10	2.50	2.20
TMPC0512HPV-5R6MG-D	5.60	±20	1V/100K	175	201	3.20	2.90	2.40	1.90
TMPC0512HPV-6R8MG-D	6.80	±20	1V/100K	193	222	3.00	2.60	2.00	1.60
TMPC0512HPV-8R2MG-D	8.20	±20	1V/100K	327	378	2.80	2.40	1.70	1.50
TMPC0512HPV-100MG-D	10.0	±20	1V/100K	335	385	1.80	1.60	1.50	1.40

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C.
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.



■ Dimensions



Units: mm

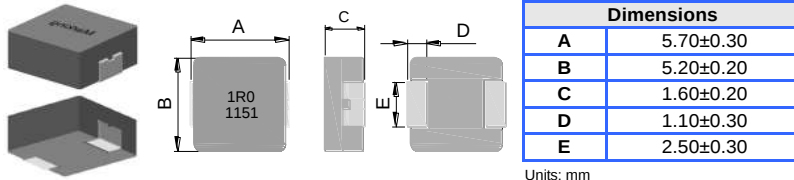
■ Specifications

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.
TMPC0515HPV-R20MG-D	0.20	±20	1V/100K	3.80	4.20	22.5	20.0	15.0	13.0
TMPC0515HPV-R22MG-D	0.22	±20	1V/100K	5.00	6.50	20.0	18.0	12.0	10.0
TMPC0515HPV-R33MG-D	0.33	±20	1V/100K	8.50	9.80	16.0	15.0	9.00	8.00
TMPC0515HPV-R36MG-D	0.36	±20	1V/100K	10.0	12.5	15.5	14.5	8.50	7.50
TMPC0515HPV-R47MG-D	0.47	±20	1V/100K	12.0	13.8	15.0	14.0	8.00	7.00
TMPC0515HPV-R68MG-D	0.68	±20	1V/100K	14.0	16.2	13.0	12.0	7.00	6.00
TMPC0515HPV-1R0MG-D	1.00	±20	1V/100K	22.0	25.3	9.00	8.00	6.00	5.00
TMPC0515HPV-1R5MG-D	1.50	±20	1V/100K	39.0	45.0	7.00	6.00	4.50	3.50
TMPC0515HPV-2R2MG-D	2.20	±20	1V/100K	45.0	52.0	6.00	5.00	4.00	3.50
TMPC0515HPV-3R3MG-D	3.30	±20	1V/100K	78.0	90.0	4.50	3.50	3.20	2.70
TMPC0515HPV-4R7MG-D	4.70	±20	1V/100K	103	118	4.00	3.00	2.70	2.20
TMPC0515HPV-5R6MG-D	5.60	±20	1V/100K	126	152	3.20	2.70	2.40	2.00
TMPC0515HPV-6R8MG-D	6.80	±20	1V/100K	142	171	3.00	2.50	2.30	1.90
TMPC0515HPV-8R2MG-D	8.20	±20	1V/100K	175	210	2.60	2.20	2.10	1.70
TMPC0515HPV-100MG-D	10.0	±20	1V/100K	210	235	2.30	2.00	2.00	1.60
TMPC0515HPV-150MG-D	15.0	±20	1V/100K	310	380	2.00	1.60	1.60	1.30
TMPC0515HPV-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%.

■ Dimensions



Units: mm

■ Specifications

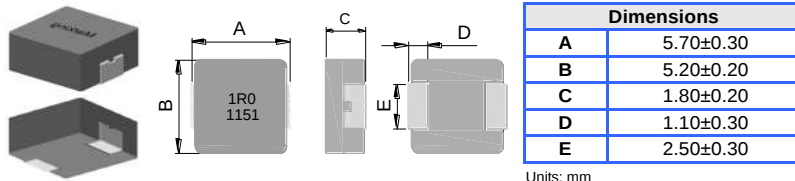
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC0518HPV-R33MG-D	0.33	±20	1V/100K	7.50	8.60	15.0	14.0	11.0	10.0
TMPC0518HPV-R47MG-D	0.47	±20	1V/100K	9.80	11.3	14.0	13.0	10.0	9.00
TMPC0518HPV-R56MG-D	0.56	±20	1V/100K	11.0	13.0	13.5	12.5	9.50	8.50
TMPC0518HPV-R68MG-D	0.68	±20	1V/100K	12.4	14.3	13.0	11.5	9.00	8.00
TMPC0518HPV-1R0MG-D	1.00	±20	1V/100K	18.2	21.0	10.0	9.00	6.80	6.00
TMPC0518HPV-1R5MG-D	1.50	±20	1V/100K	26.0	30.0	9.00	8.00	6.00	5.00
TMPC0518HPV-2R0MG-D	2.00	±20	1V/100K	35.0	42.0	8.00	7.00	5.00	4.00
TMPC0518HPV-2R2MG-D	2.20	±20	1V/100K	42.0	48.3	7.50	6.50	4.50	3.70
TMPC0518HPV-3R3MG-D	3.30	±20	1V/100K	60.0	69.0	5.00	4.50	3.50	3.00
TMPC0518HPV-4R7MG-D	4.70	±20	1V/100K	85.0	98.0	4.50	4.00	3.00	2.60
TMPC0518HPV-5R6MG-D	5.60	±20	1V/100K	110	127	4.00	3.70	2.50	2.10
TMPC0518HPV-6R8MG-D	6.80	±20	1V/100K	118	137	3.50	3.20	2.40	2.00
TMPC0518HPV-8R2MG-D	8.20	±20	1V/100K	143	165	3.00	2.80	2.30	1.90
TMPC0518HPV-100MG-D	10.0	±20	1V/100K	165	190	2.80	2.50	2.30	1.90
TMPC0518HPV-150MG-D	15.0	±20	1V/100K	275	318	2.30	2.00	1.70	1.40

Note:

- Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40℃.
- Saturation Current (I_{sat}) will cause L₀ to drop approximately 30%.



■ Dimensions



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.
TMPC0502HPV-R10YG-D	0.10	±30	1V/100K	3.60	4.00	45.0	40.0	18.0	16.0
TMPC0502HPV-R12YG-D	0.12	±30	1V/100K	3.70	4.30	35.0	30.0	17.0	15.0
TMPC0502HPV-R15YG-D	0.15	±30	1V/100K	3.80	4.60	27.0	23.0	16.0	14.0
TMPC0502HPV-R22MG-D	0.22	±20	1V/100K	4.00	5.50	25.0	22.0	15.0	13.0
TMPC0502HPV-R24MG-D	0.24	±20	1V/100K	6.00	7.00	23.0	21.0	13.0	12.0
TMPC0502HPV-R33MG-D	0.33	±20	1V/100K	6.30	7.30	21.3	20.0	12.0	11.0
TMPC0502HPV-R36MG-D	0.36	±20	1V/100K	6.80	7.80	20.0	18.0	11.8	11.0
TMPC0502HPV-R47MG-D	0.47	±20	1V/100K	7.30	8.60	18.0	16.0	11.5	10.5
TMPC0502HPV-R56MG-D	0.56	±20	1V/100K	9.30	11.2	15.0	14.0	10.7	10.2
TMPC0502HPV-R68MG-D	0.68	±20	1V/100K	11.0	12.4	12.8	12.0	10.0	9.50
TMPC0502HPV-R82MG-D	0.82	±20	1V/100K	15.0	18.0	14.0	12.0	8.50	7.50
TMPC0502HPV-1R0MG-D	1.00	±20	1V/100K	17.5	20.0	13.7	12.0	7.00	6.50
TMPC0502HPV-1R2MG-D	1.20	±20	1V/100K	23.0	28.0	11.0	10.0	6.20	6.00
TMPC0502HPV-1R5MG-D	1.50	±20	1V/100K	26.5	30.5	9.80	9.00	5.50	5.00
TMPC0502HPV-2R2MG-D	2.20	±20	1V/100K	42.0	50.0	9.00	8.00	4.20	3.80
TMPC0502HPV-2R7MG-D	2.70	±20	1V/100K	50.0	58.0	8.20	7.50	4.00	3.60
TMPC0502HPV-3R3MG-D	3.30	±20	1V/100K	66.0	76.0	7.30	7.00	3.30	3.00
TMPC0502HPV-4R7MG-D	4.70	±20	1V/100K	103	116	5.00	4.60	2.80	2.50
TMPC0502HPV-5R6MG-D	5.60	±20	1V/100K	112	122	4.00	3.70	2.50	2.10
TMPC0502HPV-6R8MG-D	6.80	±20	1V/100K	130	150	3.80	3.50	2.40	2.00
TMPC0502HPV-8R2MG-D	8.20	±20	1V/100K	148	171	3.50	3.30	2.30	2.00
TMPC0502HPV-100MG-D	10.0	±20	1V/100K	180	199	3.40	3.20	2.30	2.00
TMPC0502HPV-150MG-D	15.0	±20	1V/100K	240	270	2.80	2.50	1.90	1.60
TMPC0502HPV-220MG-D	22.0	±20	1V/100K	350	390	1.80	1.50	1.50	1.20

Note:

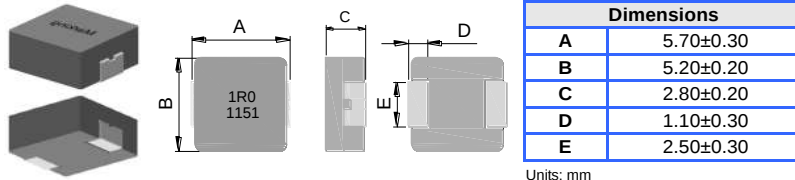
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C.

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



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For the latest specification, please visit our website: www.tai-tech.com.tw

■ Dimensions



Units: mm

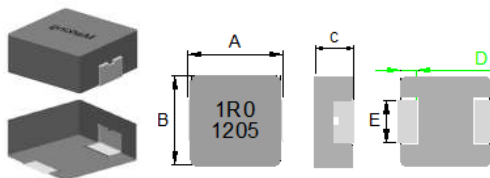
■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I rms (A) typ.
TMPC0503HPV-R10YG-D	0.10	±30	1V/100K	2.50	3.00	27.0	23.0
TMPC0503HPV-R22MG-D	0.22	±20	1V/100K	3.70	4.40	21.0	15.5
TMPC0503HPV-R33MG-D	0.33	±20	1V/100K	4.50	5.20	19.0	13.7
TMPC0503HPV-R47MG-D	0.47	±20	1V/100K	6.70	7.10	16.0	12.2
TMPC0503HPV-R68MG-D	0.68	±20	1V/100K	8.20	9.00	13.5	10.2
TMPC0503HPV-R82MG-D	0.82	±20	1V/100K	10.2	11.9	13.0	9.30
TMPC0503HPV-1R0MG-D	1.00	±20	1V/100K	12.6	13.7	12.0	8.80
TMPC0503HPV-1R2MG-D	1.20	±20	1V/100K	13.0	17.0	11.5	8.00
TMPC0503HPV-1R5MG-D	1.50	±20	1V/100K	18.7	20.7	11.0	7.20
TMPC0503HPV-2R2MG-D	2.20	±20	1V/100K	25.0	29.2	10.0	5.80
TMPC0503HPV-3R3MG-D	3.30	±20	1V/100K	41.0	49.2	8.50	5.00
TMPC0503HPV-4R7MG-D	4.70	±20	1V/100K	71.0	77.5	8.20	3.50
TMPC0503HPV-5R6MG-D	5.60	±20	1V/100K	88.5	102	7.00	3.00
TMPC0503HPV-6R8MG-D	6.80	±20	1V/100K	96.0	112	6.00	2.80
TMPC0503HPV-8R2MG-D	8.20	±20	1V/100K	99.0	114	4.50	2.60
TMPC0503HPV-100MG-D	10.0	±20	1V/100K	112	130	4.00	2.50
TMPC0503HPV-150MG-D	15.0	±20	1V/100K	210	242	2.50	1.90
TMPC0503HPV-220MG-D	22.0	±20	1V/100K	260	310	2.20	1.40

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C.
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ Dimensions



Dimensions	
A	5.70±0.30
B	5.20±0.20
C	2.80±0.20
D	1.10±0.30
E	1.50±0.20

Units: mm

■ Specifications

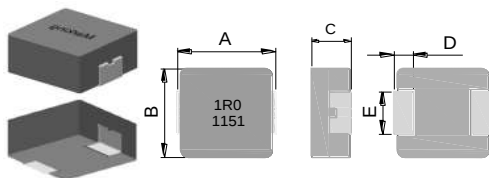
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC0503HV-R10YG-D	0.10	±30	1V/100K	2.50	3.00	27.0	24.0	23.0	20.0
TMPC0503HV-R15YG-D	0.15	±30	1V/100K	2.30	2.70	26.0	22.0	17.0	15.0
TMPC0503HV-R20YG-D	0.20	±30	1V/100K	2.60	3.20	25.0	21.0	16.0	14.0
TMPC0503HV-R22MG-D	0.22	±20	1V/100K	3.70	4.40	21.0	19.0	15.5	13.0
TMPC0503HV-R25MG-D	0.25	±20	1V/100K	3.70	4.10	20.0	18.0	15.0	12.0
TMPC0503HV-R33MG-D	0.33	±20	1V/100K	4.30	5.00	18.0	16.0	14.0	11.0
TMPC0503HV-R47MG-D	0.47	±20	1V/100K	6.40	7.40	16.0	14.0	12.0	10.0
TMPC0503HV-R56MG-D	0.56	±20	1V/100K	8.00	10.0	15.0	13.5	10.0	9.00
TMPC0503HV-R60MG-D	0.60	±20	1V/100K	8.40	10.4	14.5	/	9.00	/
TMPC0503HV-R68MG-D	0.68	±20	1V/100K	10.0	12.0	14.0	12.5	8.50	7.50
TMPC0503HV-R82MG-D	0.82	±20	1V/100K	11.5	13.0	12.5	11.0	8.00	7.00
TMPC0503HV-1R0MG-D	1.00	±20	1V/100K	13.0	14.0	11.0	9.50	7.00	6.00
TMPC0503HV-1R2MG-D	1.20	±20	1V/100K	14.0	16.0	11.0	9.50	6.50	5.50
TMPC0503HV-1R5MG-D	1.50	±20	1V/100K	16.0	25.0	10.0	9.00	6.00	5.00
TMPC0503HV-2R2MG-D	2.20	±20	1V/100K	25.0	35.0	9.00	8.00	5.50	4.80
TMPC0503HV-2R4MG-D	2.40	±20	1V/100K	30.0	36.0	8.80	/	5.30	/
TMPC0503HV-3R3MG-D	3.30	±20	1V/100K	32.0	38.0	8.00	7.00	5.00	4.30
TMPC0503HV-3R6MG-D	3.60	±20	1V/100K	46.0	54.0	7.00	6.00	4.90	4.10
TMPC0503HV-4R7MG-D	4.70	±20	1V/100K	50.0	53.0	6.00	5.00	4.60	4.00
TMPC0503HV-5R6MG-D	5.60	±20	1V/100K	55.0	63.0	4.50	4.00	4.30	3.80
TMPC0503HV-100MG-D	10.0	±20	1V/100K	110	128	3.50	3.10	2.80	2.40
TMPC0503HV-150MG-D	15.0	±20	1V/100K	165	190	2.60	2.20	2.10	1.90
TMPC0503HV-180MG-D	18.0	±20	1V/100K	195	230	2.30	2.00	2.00	1.80
TMPC0503HV-220MG-D	22.0	±20	1V/100K	220	250	1.70	1.50	1.90	1.70
TMPC0503HV-330MG-D	33.0	±20	1V/100K	380	440	1.60	1.40	1.60	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%.

■ 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

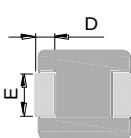
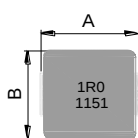
■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I rms (A) typ.
TMPC053TV-R10MG-V01	0.10	±20	1V/100K	2.00	2.50	34.0	20.0
TMPC053TV-R20MG-V01	0.20	±20	1V/100K	3.0	3.70	21.0	14.5
TMPC053TV-R47MG-V01	0.47	±20	1V/100K	7.10	8.10	16.0	10.0
TMPC053TV-R56MG-V01	0.56	±20	1V/100K	7.30	8.40	15.0	9.50
TMPC053TV-R68MG-V01	0.68	±20	1V/100K	8.10	9.00	14.0	8.50
TMPC053TV-1R0MG-V01	1.00	±20	1V/100K	12.5	14.0	11.0	7.00
TMPC053TV-1R2MG-V01	1.20	±20	1V/100K	14.0	16.0	11.0	6.50
TMPC053TV-1R5MG-V01	1.50	±20	1V/100K	17.0	22.0	10.0	6.00
TMPC053TV-2R2MG-V01	2.20	±20	1V/100K	24.0	27.0	9.00	5.50
TMPC053TV-3R3MG-V01	3.30	±20	1V/100K	32.0	38.0	7.00	5.00
TMPC053TV-4R7MG-V01	4.70	±20	1V/100K	50.0	60.0	5.00	4.50

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40℃.
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ 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

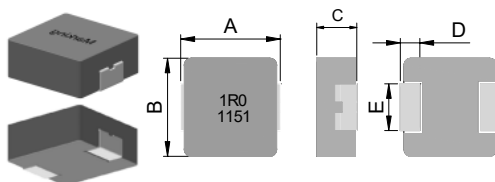
■ Specifications

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.
TMPC0612HV-R22YG-D	0.20	±30	1V/100K	6.50	7.50	19.0	17.0	11.0	10.0
TMPC0612HV-R33MG-D	0.30	±20	1V/100K	9.00	10.0	16.0	14.0	9.50	9.00
TMPC0612HV-R47MG-D	0.50	±20	1V/100K	13.0	17.0	12.0	11.0	8.50	8.00
TMPC0612HV-R68MG-D	0.70	±20	1V/100K	17.0	19.0	9.00	8.50	7.00	6.00
TMPC0612HV-1R0MG-D	1.00	±20	1V/100K	27.0	30.0	7.00	6.50	6.00	5.00
TMPC0612HV-1R2MG-D	1.20	±20	1V/100K	31.0	36.0	6.80	6.00	5.00	4.50
TMPC0612HV-1R5MG-D	1.50	±20	1V/100K	35.0	40.0	6.50	5.50	4.50	4.00
TMPC0612HV-2R2MG-D	2.20	±20	1V/100K	53.0	61.0	5.00	4.50	4.00	3.50
TMPC0612HV-3R3MG-D	3.30	±20	1V/100K	90.0	103	4.00	3.60	3.20	2.80
TMPC0612HV-4R7MG-D	4.70	±20	1V/100K	130	150	3.80	3.20	2.50	2.30
TMPC0612HV-6R8MG-D	6.80	±20	1V/100K	172	198	3.00	2.70	2.10	1.90
TMPC0612HV-100MG-D	10.0	±20	1V/100K	280	290	2.50	2.30	1.80	1.60

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40℃.
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ Dimensions



Dimensions	
A	7.00±0.30
B	6.60±0.30
C	1.30±0.20
D	1.80±0.30
E	3.00±0.30

Units: mm

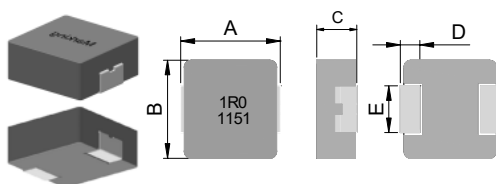
■ Specifications

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.
TMPC0615HV-R22YG-D	0.22	±30	1V/100K	4.30	5.20	22.0	19.0	14.0	12.0
TMPC0615HV-R33MG-D	0.33	±20	1V/100K	6.60	7.60	18.0	16.0	11.0	10.0
TMPC0615HV-R47MG-D	0.47	±20	1V/100K	9.00	10.3	16.0	14.0	9.50	8.50
TMPC0615HV-R56MG-D	0.56	±20	1V/100K	12.5	14.0	15.5	14.0	9.00	8.00
TMPC0615HV-R68MG-D	0.68	±20	1V/100K	13.8	15.2	15.0	13.0	7.50	6.60
TMPC0615HV-R82MG-D	0.82	±20	1V/100K	20.0	24.0	14.0	12.0	7.00	6.00
TMPC0615HV-1R0MG-D	1.00	±20	1V/100K	23.0	25.8	12.0	10.0	6.50	5.50
TMPC0615HV-1R2MG-D	1.20	±20	1V/100K	29.0	34.0	10.5	9.00	5.60	5.00
TMPC0615HV-1R5MG-D	1.50	±20	1V/100K	37.0	42.5	9.50	8.50	5.00	4.50
TMPC0615HV-2R2MG-D	2.20	±20	1V/100K	48.0	55.0	6.50	5.60	4.50	4.00
TMPC0615HV-3R3MG-D	3.30	±20	1V/100K	62.0	74.0	6.00	5.30	4.20	3.70
TMPC0615HV-4R7MG-D	4.70	±20	1V/100K	96.0	111	5.00	4.60	3.80	3.30
TMPC0615HV-5R6MG-D	5.60	±20	1V/100K	115	138	4.50	4.10	3.00	2.60
TMPC0615HV-6R8MG-D	6.80	±20	1V/100K	128	148	3.50	3.10	2.60	2.20
TMPC0615HV-8R2MG-D	8.20	±20	1V/100K	153	184	3.20	2.80	2.40	2.10
TMPC0615HV-100MG-D	10.0	±20	1V/100K	180	216	2.80	2.50	2.30	2.00
TMPC0615HV-220MG-D	22.0	±20	1V/100K	420	504	2.50	2.20	1.50	1.20

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40 .
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ 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

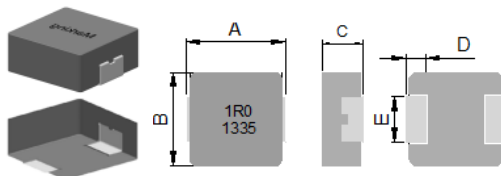
■ Specifications

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.
TMPC0618HV-R22MG-D	0.22	±20	1V/100K	2.50	3.00	26.0	24.0	16.0	14.0
TMPC0618HV-R33MG-D	0.33	±20	1V/100K	4.80	5.80	22.0	19.0	14.0	12.0
TMPC0618HV-R47MG-D	0.47	±20	1V/100K	6.40	7.40	18.0	16.0	12.0	10.0
TMPC0618HV-R56MG-D	0.56	±20	1V/100K	8.50	10.0	17.5	15.0	11.0	9.50
TMPC0618HV-R68MG-D	0.68	±20	1V/100K	9.50	11.0	17.0	15.0	10.0	9.00
TMPC0618HV-R82MG-D	0.82	±20	1V/100K	11.5	14.0	15.5	14.0	8.50	7.90
TMPC0618HV-1R0MG-D	1.00	±20	1V/100K	14.5	17.0	14.0	12.0	7.00	6.50
TMPC0618HV-1R2MG-D	1.20	±20	1V/100K	20.0	24.0	13.5	11.0	6.50	6.00
TMPC0618HV-1R5MG-D	1.50	±20	1V/100K	21.0	25.2	13.0	11.0	6.00	5.50
TMPC0618HV-2R2MG-D	2.20	±20	1V/100K	31.0	35.0	11.0	10.0	6.00	5.50
TMPC0618HV-3R3MG-D	3.30	±20	1V/100K	40.0	46.0	9.00	8.00	5.00	4.50
TMPC0618HV-4R7MG-D	4.70	±20	1V/100K	68.0	76.0	7.00	6.00	4.00	3.60
TMPC0618HV-5R6MG-D	5.60	±20	1V/100K	78.0	86.0	6.00	5.00	3.50	3.10
TMPC0618HV-6R8MG-D	6.80	±20	1V/100K	93.0	104	5.50	4.50	3.00	2.60
TMPC0618HV-8R2MG-D	8.20	±20	1V/100K	123	140	4.50	3.80	2.60	2.20
TMPC0618HV-100MG-D	10.0	±20	1V/100K	143	160	3.50	3.10	2.30	2.00

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40 .
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ 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

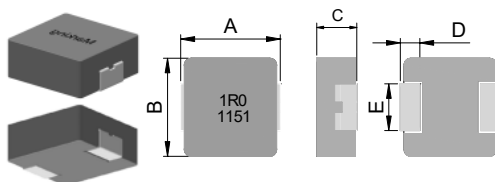
■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I rms (A) typ.
TMPC0602HV-R10YG-D	0.10	±30	1V/100K	2.00	2.40	40.0	21.0
TMPC0602HV-R12YG-D	0.12	±30	1V/100K	2.20	2.60	39.5	20.0
TMPC0602HV-R15YG-D	0.15	±30	1V/100K	2.30	2.70	39.0	18.0
TMPC0602HV-R16YG-D	0.16	±30	1V/100K	2.30	2.70	38.0	18.0
TMPC0602HV-R18YG-D	0.18	±30	1V/100K	2.40	2.90	36.0	18.0
TMPC0602HV-R20YG-D	0.20	±30	1V/100K	2.50	3.00	35.0	18.0
TMPC0602HV-R22YG-D	0.22	±30	1V/100K	3.50	4.00	32.0	15.0
TMPC0602HV-R24MG-D	0.24	±20	1V/100K	3.60	4.30	32.0	14.5
TMPC0602HV-R33MG-D	0.33	±20	1V/100K	4.50	5.00	25.0	14.0
TMPC0602HV-R47MG-D	0.47	±20	1V/100K	7.10	8.30	20.0	11.7
TMPC0602HV-R56MG-D	0.56	±20	1V/100K	7.90	9.30	18.0	11.0
TMPC0602HV-R68MG-D	0.68	±20	1V/100K	8.30	10.0	16.0	10.5
TMPC0602HV-R82MG-D	0.82	±20	1V/100K	12.5	16.0	15.0	9.50
TMPC0602HV-1R0MG-D	1.00	±20	1V/100K	16.5	18.0	14.0	8.00
TMPC0602HV-1R2MG-D	1.20	±20	1V/100K	19.0	23.0	13.0	7.50
TMPC0602HV-1R5MG-D	1.50	±20	1V/100K	23.0	27.0	12.0	7.00
TMPC0602HV-2R2MG-D	2.20	±20	1V/100K	32.0	37.0	10.0	6.00
TMPC0602HV-3R3MG-D	3.30	±20	1V/100K	43.0	48.0	8.00	5.00
TMPC0602HV-4R7MG-D	4.70	±20	1V/100K	53.0	60.0	7.00	4.50
TMPC0602HV-5R6MG-D	5.60	±20	1V/100K	59.0	68.0	6.00	4.00
TMPC0602HV-6R8MG-D	6.80	±20	1V/100K	63.0	73.0	5.50	4.00
TMPC0602HV-8R2MG-D	8.20	±20	1V/100K	101	116	5.00	3.20
TMPC0602HV-100MG-D	10.0	±20	1V/100K	134	154	4.00	2.80
TMPC0602HV-150MG-D	15.0	±20	1V/100K	190	210	3.30	2.10
TMPC0602HV-220MG-D	22.0	±20	1V/100K	236	280	2.50	1.50

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40 .
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ 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

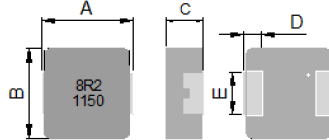
■ Specifications

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.
TMPC0624HV-R22MG-D	0.22	±20	1V/100K	2.00	3.20	34.0	30.0	21.0	19.0
TMPC0624HV-R33MG-D	0.33	±20	1V/100K	3.60	4.40	30.0	27.0	18.0	17.0
TMPC0624HV-R36MG-D	0.36	±20	1V/100K	3.80	4.60	29.0	25.0	17.0	15.0
TMPC0624HV-R47MG-D	0.47	±20	1V/100K	4.80	5.10	26.0	22.0	15.0	14.0
TMPC0624HV-R56MG-D	0.56	±20	1V/100K	5.50	6.50	24.0	20.0	13.0	12.0
TMPC0624HV-R60MG-D	0.60	±20	1V/100K	5.70	6.90	22.0	19.0	13.0	12.0
TMPC0624HV-R68MG-D	0.68	±20	1V/100K	6.40	7.20	21.0	18.0	13.0	12.0
TMPC0624HV-R82MG-D	0.82	±20	1V/100K	8.00	9.50	17.0	15.0	11.0	10.0
TMPC0624HV-1R0MG-D	1.00	±20	1V/100K	10.5	13.5	16.0	14.0	11.0	10.0
TMPC0624HV-1R5MG-D	1.50	±20	1V/100K	17.0	20.0	15.0	13.0	9.00	8.00
TMPC0624HV-2R2MG-D	2.20	±20	1V/100K	23.0	28.0	14.0	11.0	7.00	6.00
TMPC0624HV-3R3MG-D	3.30	±20	1V/100K	34.0	39.0	10.0	9.00	6.00	5.00
TMPC0624HV-4R7MG-D	4.70	±20	1V/100K	41.0	50.0	9.00	7.00	5.50	4.80
TMPC0624HV-5R6MG-D	5.60	±20	1V/100K	56.0	62.0	8.00	6.50	5.00	4.50
TMPC0624HV-6R8MG-D	6.80	±20	1V/100K	65.0	72.0	7.00	6.00	4.00	3.60
TMPC0624HV-8R2MG-D	8.20	±20	1V/100K	81.0	95.0	6.00	5.40	3.60	3.20
TMPC0624HV-100MG-D	10.0	±20	1V/100K	92.0	101	5.00	4.70	3.20	2.90

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40 .
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ 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.
TMPC0603HV-R10YG-D	0.10	±30	1V/100K	1.20	1.70	60.0	55.0	32.5	28.0
TMPC0603HV-R13YG-D	0.13	±30	1V/100K	1.30	1.80	50.0	45.0	27.6	24.0
TMPC0603HV-R15YG-D	0.15	±30	1V/100K	1.50	1.90	45.0	40.0	27.0	23.0
TMPC0603HV-R16YG-D	0.16	±30	1V/100K	1.50	1.90	45.0	40.0	27.0	23.0
TMPC0603HV-R18YG-D	0.18	±30	1V/100K	1.70	2.30	43.0	39.0	25.0	22.0
TMPC0603HV-R19YG-D	0.19	±30	1V/100K	1.80	2.50	41.0	37.0	24.0	21.0
TMPC0603HV-R20YG-D	0.20	±30	1V/100K	1.80	2.50	41.0	37.0	24.0	21.0
TMPC0603HV-R22YG-D	0.22	±30	1V/100K	2.10	2.80	40.0	36.0	23.0	20.0
TMPC0603HV-R24MG-D	0.24	±20	1V/100K	2.50	3.10	39.0	35.0	22.0	19.0
TMPC0603HV-R25MG-D	0.25	±20	1V/100K	3.30	3.50	39.0	35.0	21.0	18.0
TMPC0603HV-R30MG-D	0.30	±20	1V/100K	3.20	3.80	35.0	31.0	21.0	18.0
TMPC0603HV-R33MG-D	0.33	±20	1V/100K	3.50	3.90	32.0	28.0	20.0	17.0
TMPC0603HV-R36MG-D	0.36	±20	1V/100K	3.60	4.20	32.0	28.0	19.0	16.5
TMPC0603HV-R40MG-D	0.40	±20	1V/100K	3.71	4.10	27.5	24.0	18.0	15.5
TMPC0603HV-R47MG-D	0.47	±20	1V/100K	4.00	4.20	26.0	23.0	17.5	16.0
TMPC0603HV-R56MG-D	0.56	±20	1V/100K	4.70	5.00	25.5	22.5	16.5	15.0
TMPC0603HV-R60MG-D	0.60	±20	1V/100K	4.70	5.20	25.5	22.5	16.0	14.5
TMPC0603HV-R68MG-D	0.68	±20	1V/100K	4.80	5.50	25.0	22.0	15.5	14.0
TMPC0603HV-R75MG-D	0.75	±20	1V/100K	5.50	6.60	24.5	22.0	14.5	13.5
TMPC0603HV-R82MG-D	0.82	±20	1V/100K	6.70	8.00	24.0	21.0	13.0	12.0
TMPC0603HV-R90MG-D	0.90	±20	1V/100K	8.30	10.0	22.0	19.0	11.0	10.0

Note:

1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40 °C.2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.



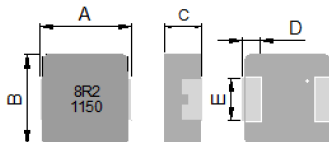
■ Specifications

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.
TMPC0603HV-1R0MG-D	1.00	±20	1V/100K	8.3	10	22.0	19.0	11.0	10.0
TMPC0603HV-1R2MG-D	1.20	±20	1V/100K	10	12	20.0	18.0	10.0	9.00
TMPC0603HV-1R5MG-D	1.50	±20	1V/100K	13	15	18.0	17.0	9.00	8.00
TMPC0603HV-1R8MG-D	1.80	±20	1V/100K	14	17	16.0	15.0	8.50	7.50
TMPC0603HV-2R0MG-D	2.00	±20	1V/100K	16	19	15.0	13.0	8.20	7.20
TMPC0603HV-2R2MG-D	2.20	±20	1V/100K	18	20	14.0	12.0	8.00	7.00
TMPC0603HV-2R5MG-D	2.50	±20	1V/100K	20	22	13.0	11.0	7.00	6.20
TMPC0603HV-2R7MG-D	2.70	±20	1V/100K	24	27	13.0	11.0	7.00	6.20
TMPC0603HV-3R3MG-D	3.30	±20	1V/100K	28	30	13.5	11.5	6.00	5.30
TMPC0603HV-4R7MG-D	4.70	±20	1V/100K	37	40	10.0	8.50	5.50	4.90
TMPC0603HV-5R6MG-D	5.60	±20	1V/100K	43	48	9.00	8.00	5.00	4.50
TMPC0603HV-6R8MG-D	6.80	±20	1V/100K	54	60	8.00	7.00	4.50	4.00
TMPC0603HV-8R2MG-D	8.20	±20	1V/100K	64	68	7.50	6.50	4.00	3.60
TMPC0603HV-100MG-D	10.0	±20	1V/100K	75	85	6.00	5.00	3.50	3.10

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%.

■ 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

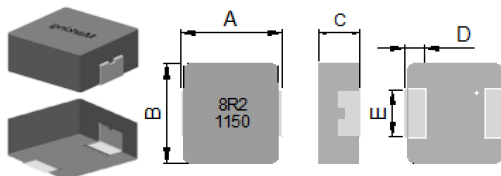
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC0604HV-R15YG-D	0.15	±30	1V/100K	0.90	1.20	55.00	51.00	30.00	28.00
TMPC0604HV-R22MG-D	0.22	±20	1V/100K	1.85	2.10	37.00	34.00	28.00	25.00
TMPC0604HV-R33MG-D	0.33	±20	1V/100K	2.00	2.60	34.00	31.00	26.00	23.00
TMPC0604HV-R36MG-D	0.36	±20	1V/100K	2.70	3.10	31.00	29.00	25.00	22.00
TMPC0604HV-R47MG-D	0.47	±20	1V/100K	3.00	3.40	28.00	26.00	23.00	20.00
TMPC0604HV-R56MG-D	0.56	±20	1V/100K	3.80	4.30	26.00	24.00	20.00	18.00
TMPC0604HV-R68MG-D	0.68	±20	1V/100K	4.10	4.50	24.00	22.00	16.00	14.00
TMPC0604HV-R82MG-D	0.82	±20	1V/100K	5.50	6.30	23.00	20.00	15.00	13.00
TMPC0604HV-1R0MG-D	1.00	±20	1V/100K	6.80	8.00	22.00	19.00	14.00	12.00
TMPC0604HV-1R5MG-D	1.50	±20	1V/100K	10.00	12.00	20.00	18.00	12.00	10.00
TMPC0604HV-2R2MG-D	2.20	±20	1V/100K	11.50	14.00	14.00	13.00	9.00	8.50
TMPC0604HV-3R3MG-D	3.30	±20	1V/100K	24.00	27.00	12.00	11.00	8.00	7.50
TMPC0604HV-4R7MG-D	4.70	±20	1V/100K	28.00	32.50	11.00	10.00	6.00	5.50
TMPC0604HV-5R6MG-D	5.60	±20	1V/100K	33.00	38.00	9.00	8.50	5.00	4.50
TMPC0604HV-6R8MG-D	6.80	±20	1V/100K	44.00	50.00	8.50	8.00	4.50	4.30
TMPC0604HV-8R2MG-D	8.20	±20	1V/100K	55.00	64.00	8.00	7.50	4.50	4.00
TMPC0604HV-100MG-D	10.00	±20	1V/100K	64.00	72.00	7.00	6.50	4.00	3.70
TMPC0604HV-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 ΔT of 40 .

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

■ 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

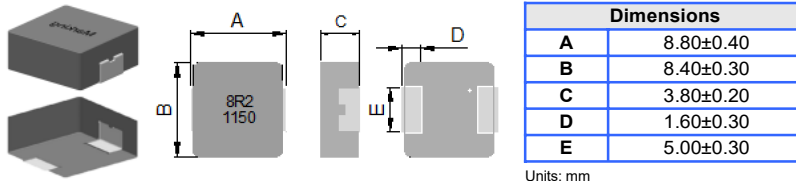
■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I rms (A) typ.
TMPC0605HV-R33MG-D	0.33	±20	1V/100K	2.50	3.00	32.0	25.0
TMPC0605HV-R40MG-D	0.40	±20	1V/100K	3.10	3.70	31.0	23.0
TMPC0605HV-R47MG-D	0.47	±20	1V/100K	3.50	3.90	30.0	22.0
TMPC0605HV-R56MG-D	0.56	±20	1V/100K	3.60	4.20	27.0	20.0
TMPC0605HV-R60MG-D	0.60	±20	1V/100K	3.80	4.30	25.0	19.0
TMPC0605HV-R68MG-D	0.68	±20	1V/100K	4.00	4.50	24.0	18.0
TMPC0605HV-R82MG-D	0.82	±20	1V/100K	4.60	4.90	22.0	16.5
TMPC0605HV-1R0MG-D	1.00	±20	1V/100K	6.10	6.50	20.0	15.0
TMPC0605HV-1R2MG-D	1.20	±20	1V/100K	6.70	7.50	18.0	14.0
TMPC0605HV-1R5MG-D	1.50	±20	1V/100K	8.60	9.00	16.5	12.0
TMPC0605HV-1R8MG-D	1.80	±20	1V/100K	9.50	11.0	15.0	12.0
TMPC0605HV-2R2MG-D	2.20	±20	1V/100K	11.2	12.0	14.0	10.0
TMPC0605HV-3R3MG-D	3.30	±20	1V/100K	19.0	20.9	12.0	8.00
TMPC0605HV-4R7MG-D	4.70	±20	1V/100K	28.0	30.8	10.0	6.50
TMPC0605HV-4R9MG-D	4.90	±20	1V/100K	32.0	38.0	9.50	6.30
TMPC0605HV-5R6MG-D	5.60	±20	1V/100K	43.5	49.0	9.00	6.00
TMPC0605HV-6R8MG-D	6.80	±20	1V/100K	46.0	51.5	8.50	5.50
TMPC0605HV-8R2MG-D	8.20	±20	1V/100K	56.0	63.0	8.00	5.00
TMPC0605HV-100MG-D	10.0	±20	1V/100K	60.0	69.0	7.50	4.00
TMPC0605HV-120MG-D	12.0	±20	1V/100K	68.0	80.0	6.70	3.80
TMPC0605HV-150MG-D	15.0	±20	1V/100K	81.0	92.0	6.00	3.50
TMPC0605HV-220MG-D	22.0	±20	1V/100K	140	170	5.50	2.50

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40 .
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ Dimensions



Units: mm

■ Specifications

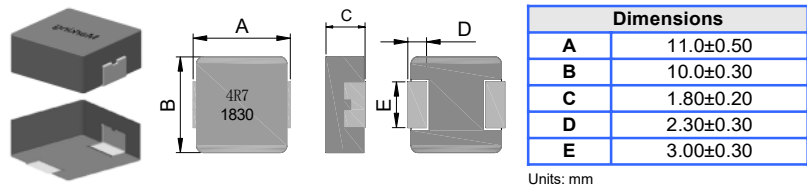
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC8040HPV-R22MG-D	0.22	±20	1V/100K	1.60	1.80	60.0	56.0	31.0	29.0
TMPC8040HPV-R33MG-D	0.33	±20	1V/100K	2.00	2.20	55.0	50.0	30.0	28.0
TMPC8040HPV-R47MG-D	0.47	±20	1V/100K	2.60	2.90	40.0	35.0	28.0	25.0
TMPC8040HPV-R56MG-D	0.56	±20	1V/100K	2.70	3.00	38.0	34.0	25.0	24.0
TMPC8040HPV-R68MG-D	0.68	±20	1V/100K	3.10	3.40	36.0	32.0	23.0	21.0
TMPC8040HPV-R82MG-D	0.82	±20	1V/100K	3.70	4.10	32.0	29.0	21.0	19.0
TMPC8040HPV-1R0MG-D	1.00	±20	1V/100K	4.50	5.00	29.0	26.0	18.0	16.0
TMPC8040HPV-1R5MG-D	1.50	±20	1V/100K	6.60	7.30	27.0	24.0	17.0	15.0
TMPC8040HPV-2R2MG-D	2.20	±20	1V/100K	10.8	11.9	25.0	22.0	16.0	14.0
TMPC8040HPV-3R3MG-D	3.30	±20	1V/100K	15.0	16.5	22.0	20.0	14.0	12.0
TMPC8040HPV-4R7MG-D	4.70	±20	1V/100K	26.8	29.5	19.0	16.0	8.50	7.50
TMPC8040HPV-5R6MG-D	5.60	±20	1V/100K	30.0	35.0	17.0	15.0	7.50	6.80
TMPC8040HPV-6R8MG-D	6.80	±20	1V/100K	40.0	46.0	16.5	14.5	6.50	5.80
TMPC8040HPV-8R2MG-D	8.20	±20	1V/100K	44.0	51.0	16.0	14.0	6.50	5.80
TMPC8040HPV-100MG-D	10.0	±20	1V/100K	53.0	61.0	10.0	8.5	5.60	5.20

Note:

- Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40 .
- Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.



■ Dimensions

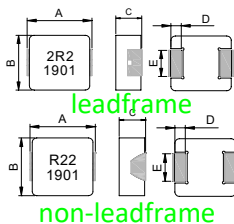


■ Specifications

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.
TMPC1002HV-1R0MG-D	1.00	±20	1V/100K	15.0	18.0	26.0	20.0	8.50	7.50
TMPC1002HV-1R5MG-D	1.50	±20	1V/100K	21.0	25.0	23.0	18.0	8.00	7.00
TMPC1002HV-2R2MG-D	2.20	±20	1V/100K	27.0	32.0	19.0	16.0	7.00	6.00
TMPC1002HV-3R3MG-D	3.30	±20	1V/100K	44.0	52.0	16.0	14.0	5.50	4.50
TMPC1002HV-4R7MG-D	4.70	±20	1V/100K	54.0	64.0	14.0	12.0	5.00	4.00
TMPC1002HV-6R7MG-D	6.70	±20	1V/100K	63.0	73.0	11.0	9.00	4.00	3.50
TMPC1002HV-8R2MG-D	8.20	±20	1V/100K	90.0	105	9.00	7.00	3.20	2.70

- 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%.

■ 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

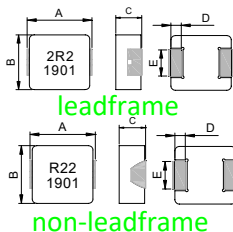
■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I rms (A) typ.
TMPC1003HV-R36MG-D	0.36	±20	1V/100K	1.30	1.60	40.0	23.0
TMPC1003HV-R47MG-D	0.47	±20	1V/100K	2.10	2.50	33.0	20.0
TMPC1003HV-R56MG-D	0.56	±20	1V/100K	2.60	3.00	24.0	16.0
TMPC1003HV-R82MG-D	0.82	±20	1V/100K	3.90	4.50	22.0	15.0
TMPC1003HV-1R0MG-D	1.00	±20	1V/100K	4.60	6.00	20.0	15.0
TMPC1003HV-1R5MG-D	1.50	±20	1V/100K	6.50	7.50	20.0	13.0
TMPC1003HV-2R2MG-D	2.20	±20	1V/100K	8.00	9.00	16.0	12.0
TMPC1003HV-3R3MG-D	3.30	±20	1V/100K	14.5	16.0	14.0	9.00
TMPC1003HV-4R7MG-D	4.70	±20	1V/100K	20.5	22.5	13.0	7.00
TMPC1003HV-5R6MG-D	5.60	±20	1V/100K	28.0	32.5	12.0	7.00
TMPC1003HV-6R8MG-D	6.80	±20	1V/100K	30.2	35.0	9.50	6.50
TMPC1003HV-8R2MG-D	8.20	±20	1V/100K	42.0	48.0	8.50	6.00
TMPC1003HV-100MG-D	10.0	±20	1V/100K	50.0	55.0	8.00	5.00

Note:

1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40 .2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ 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.
TMPC1004HV-R15YG-D	0.15	±30	1V/100K	0.50	0.60	75.00	70.00	43.00	40.00
TMPC1004HV-R18YG-D	0.18	±30	1V/100K	0.54	0.80	72.00	68.00	38.00	36.00
TMPC1004HV-R19YG-D	0.19	±30	1V/100K	0.60	0.90	70.00	66.00	36.00	35.00
TMPC1004HV-R20YG-D	0.20	±30	1V/100K	0.66	0.95	70.00	64.00	35.00	34.00
TMPC1004HV-R22MG-D	0.22	±20	1V/100K	0.80	1.00	60.00	57.00	35.00	33.00
TMPC1004HV-R24MG-D	0.24	±20	1V/100K	0.80	1.00	60.00	56.00	34.00	32.00
TMPC1004HV-R25MG-D	0.25	±20	1V/100K	0.80	1.00	60.00	55.00	33.50	32.00
TMPC1004HV-R27MG-D	0.27	±20	1V/100K	0.82	1.00	60.00	54.00	33.00	31.00
TMPC1004HV-R30MG-D	0.30	±20	1V/100K	0.94	1.10	60.00	52.00	32.00	30.00
TMPC1004HV-R33MG-D	0.33	±20	1V/100K	1.00	1.20	60.00	50.00	31.00	29.00
TMPC1004HV-R36MG-D	0.36	±20	1V/100K	1.05	1.20	60.00	48.00	31.00	28.00
TMPC1004HV-R39MG-D	0.39	±20	1V/100K	1.10	1.30	60.00	45.00	30.00	27.00
TMPC1004HV-R45MG-D	0.45	±20	1V/100K	1.30	1.50	45.00	41.00	29.00	26.00
TMPC1004HV-R47MG-D	0.47	±20	1V/100K	1.30	1.50	43.00	40.00	28.00	25.00
TMPC1004HV-R56MG-D	0.56	±20	1V/100K	1.60	1.80	40.00	38.00	25.00	24.00
TMPC1004HV-R68MG-D	0.68	±20	1V/100K	2.40	2.70	39.00	37.00	22.00	21.00
TMPC1004HV-R75MG-D	0.75	±20	1V/100K	2.40	2.70	39.00	36.00	22.00	20.00
TMPC1004HV-R88MG-D	0.88	±20	1V/100K	2.50	2.90	38.00	35.00	20.00	19.00
TMPC1004HV-R90MG-D	0.90	±20	1V/100K	2.60	3.00	38.00	35.00	20.00	18.00
TMPC1004HV-1R0MG-D	1.00	±20	1V/100K	3.00	3.30	36.00	34.00	18.00	17.00
TMPC1004HV-1R2MG-D	1.20	±20	1V/100K	3.30	3.80	33.00	32.00	17.00	16.00

Note:

- Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40 .
- Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.



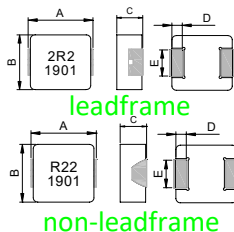
■ Specifications

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.
TMPC1004HV-1R5MG-D	1.50	±20	1V/100K	4.00	4.60	33.00	31.00	16.00	15.00
TMPC1004HV-1R8MG-D	1.80	±20	1V/100K	5.30	6.40	30.00	29.00	14.00	13.00
TMPC1004HV-2R2MG-D	2.20	±20	1V/100K	6.50	7.00	27.00	25.00	12.00	11.00
TMPC1004HV-2R5MG-D	2.50	±20	1V/100K	7.90	8.70	23.00	21.00	11.50	10.50
TMPC1004HV-3R0MG-D	3.00	±20	1V/100K	10.00	11.50	21.00	19.00	11.50	10.00
TMPC1004HV-3R3MG-D	3.30	±20	1V/100K	10.80	11.80	20.00	18.00	11.00	10.00
TMPC1004HV-3R9MG-D	3.90	±20	1V/100K	12.60	14.50	19.00	17.00	10.50	9.50
TMPC1004HV-4R0MG-D	4.00	±20	1V/100K	13.00	15.00	18.00	17.00	10.20	9.50
TMPC1004HV-4R7MG-D	4.70	±20	1V/100K	15.00	15.50	17.00	16.00	10.00	9.00
TMPC1004HV-5R6MG-D	5.60	±20	1V/100K	17.00	19.30	14.00	13.00	9.00	8.50
TMPC1004HV-6R2MG-D	6.20	±20	1V/100K	17.20	21.30	13.70	12.50	8.70	8.00
TMPC1004HV-6R5MG-D	6.50	±20	1V/100K	17.30	22.30	13.60	12.50	8.60	8.00
TMPC1004HV-6R8MG-D	6.80	±20	1V/100K	17.50	23.30	13.50	12.30	8.50	7.50
TMPC1004HV-7R3MG-D	7.30	±20	1V/100K	19.00	21.80	13.00	12.00	8.30	7.30
TMPC1004HV-8R2MG-D	8.20	±20	1V/100K	20.00	22.50	12.50	11.50	8.00	6.80
TMPC1004HV-100MG-D	10.0	±20	1V/100K	27.00	30.00	12.00	11.00	7.50	6.30
TMPC1004HV-120MG-D	12.0	±20	1V/100K	36.00	42.00	11.00	10.50	6.80	6.00
TMPC1004HV-150MG-D	15.0	±20	1V/100K	40.00	45.00	10.00	9.50	6.25	5.70
TMPC1004HV-180MG-D	18.0	±20	1V/100K	56.00	62.00	9.00	8.50	5.50	5.10
TMPC1004HV-220MG-D	22.0	±20	1V/100K	64.00	74.00	7.00	6.50	5.00	4.50

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%.

■ 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 (μ H)	Tolerance (%)	Test Frequency (Hz)	DCR (m Ω) typ.	DCR (m Ω) max.	I sat (A) typ.	I rms (A) typ.
TMPC1005HV-R30MG-D	0.30	±20	1V/100K	0.57	0.61	65.00	38.00
TMPC1005HV-R47MG-D	0.47	±20	1V/100K	1.15	1.38	50.00	28.00
TMPC1005HV-R50MG-D	0.50	±20	1V/100K	1.30	1.50	48.00	27.00
TMPC1005HV-R56MG-D	0.56	±20	1V/100K	1.30	1.50	43.00	26.50
TMPC1005HV-R68MG-D	0.68	±20	1V/100K	1.70	1.90	35.00	25.00
TMPC1005HV-R82MG-D	0.82	±20	1V/100K	2.00	2.40	36.00	25.00
TMPC1005HV-R90MG-D	0.90	±20	1V/100K	2.20	3.00	32.00	25.00
TMPC1005HV-1R0MG-D	1.00	±20	1V/100K	2.80	3.50	30.00	22.00
TMPC1005HV-1R2MG-D	1.20	±20	1V/100K	2.90	3.50	28.00	20.00
TMPC1005HV-1R3MG-D	1.30	±20	1V/100K	3.20	3.70	28.00	20.00
TMPC1005HV-1R5MG-D	1.50	±20	1V/100K	3.50	4.10	27.00	19.00
TMPC1005HV-1R8MG-D	1.80	±20	1V/100K	3.70	4.70	25.50	17.50
TMPC1005HV-2R2MG-D	2.20	±20	1V/100K	5.40	6.00	24.00	16.00
TMPC1005HV-3R3MG-D	3.30	±20	1V/100K	9.00	10.40	22.00	14.00
TMPC1005HV-4R7MG-D	4.70	±20	1V/100K	10.00	12.50	19.00	13.00
TMPC1005HV-5R0MG-D	5.00	±20	1V/100K	12.20	15.00	18.00	12.00
TMPC1005HV-5R6MG-D	5.60	±20	1V/100K	14.00	16.80	16.00	10.00
TMPC1005HV-6R8MG-D	6.80	±20	1V/100K	16.50	21.00	15.00	9.50
TMPC1005HV-8R2MG-D	8.20	±20	1V/100K	18.50	24.00	14.50	9.00
TMPC1005HV-100MG-D	10.0	±20	1V/100K	25.00	29.00	13.50	8.00
TMPC1005HV-120MG-D	12.0	±20	1V/100K	30.00	35.00	10.00	6.00
TMPC1005HV-150MG-D	15.0	±20	1V/100K	37.00	45.00	9.50	5.50
TMPC1005HV-220MG-D	22.0	±20	1V/100K	50.00	60.00	9.00	5.00
TMPC1005HV-240MG-D	24.0	±20	1V/100K	59.00	70.80	7.70	4.60
TMPC1005HV-330MG-D	33.0	±20	1V/100K	80.00	92.00	7.50	4.30
TMPC1005HV-470MG-D	47.0	±20	1V/100K	125.00	145.00	6.50	3.80
TMPC1005HV-680MG-D	68.0	±20	1V/100K	176.00	205.00	4.00	2.50

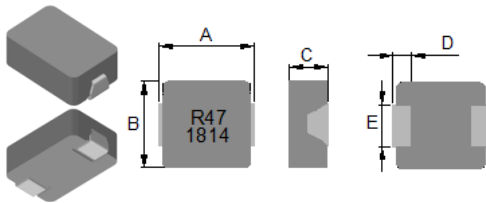
Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40 .
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

TMPC120804HV Series (5131 inch-55 ~+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.
TMPC120804HV-R22MG-D	0.22	±20	1V/100K	0.45	0.60	80.0	31.0	29.0
TMPC120804HV-R47MG-D	0.47	±20	1V/100K	1.10	1.20	60.0	30.0	28.0

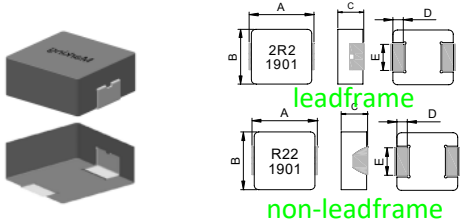
Note:

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

TMPC1235HPV Series (5353 inch -55~+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.
TMPC1235HPV-1R0MG-D	1.00	±20	1V/100K	2.70	3.50	40.0	24.0
TMPC1235HPV-1R2MG-D	1.20	±20	1V/100K	4.00	5.00	37.0	21.0
TMPC1235HPV-1R5MG-D	1.50	±20	1V/100K	4.80	5.50	35.0	19.0
TMPC1235HPV-1R8MG-D	1.80	±20	1V/100K	5.20	7.00	30.0	17.0
TMPC1235HPV-2R2MG-D	2.20	±20	1V/100K	6.30	8.00	29.0	16.0
TMPC1235HPV-3R3MG-D	3.30	±20	1V/100K	11.0	13.5	27.0	12.0
TMPC1235HPV-4R7MG-D	4.70	±20	1V/100K	15.3	18.5	24.0	10.0
TMPC1235HPV-5R6MG-D	5.60	±20	1V/100K	18.0	22.0	19.0	9.50
TMPC1235HPV-6R8MG-D	6.80	±20	1V/100K	20.0	24.0	18.0	9.00
TMPC1235HPV-8R2MG-D	8.20	±20	1V/100K	23.0	28.0	16.0	8.50
TMPC1235HPV-100MG-D	10.0	±20	1V/100K	29.0	34.0	14.0	7.50

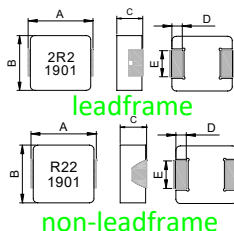
Note:

- 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%.



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■ 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.
TMPC1205HPV-R20MG-D	0.20	±20	1V/100K	0.45	0.55	110.00	52.00
TMPC1205HPV-R22MG-D	0.22	±20	1V/100K	0.50	0.70	110.00	52.00
TMPC1205HPV-R33MG-D	0.33	±20	1V/100K	0.70	0.90	80.00	42.00
TMPC1205HPV-R36MG-D	0.36	±20	1V/100K	0.75	0.95	75.00	42.00
TMPC1205HPV-R39MG-D	0.39	±20	1V/100K	0.78	0.95	70.00	42.00
TMPC1205HPV-R47MG-D	0.47	±20	1V/100K	0.86	1.10	65.00	38.00
TMPC1205HPV-R50MG-D	0.50	±20	1V/100K	0.90	1.30	60.00	37.00
TMPC1205HPV-R56MG-D	0.56	±20	1V/100K	1.00	1.50	55.00	36.00
TMPC1205HPV-R68MG-D	0.68	±20	1V/100K	1.40	1.70	54.00	34.00
TMPC1205HPV-R82MG-D	0.82	±20	1V/100K	1.70	2.10	52.00	31.00
TMPC1205HPV-1R0MG-D	1.00	±20	1V/100K	1.85	2.50	50.00	29.00
TMPC1205HPV-1R2MG-D	1.20	±20	1V/100K	2.50	3.00	49.00	28.00
TMPC1205HPV-1R5MG-D	1.50	±20	1V/100K	2.80	3.30	48.00	27.00
TMPC1205HPV-1R8MG-D	1.80	±20	1V/100K	4.00	4.90	40.00	21.00
TMPC1205HPV-2R2MG-D	2.20	±20	1V/100K	4.20	5.50	32.00	20.00
TMPC1205HPV-2R7MG-D	2.70	±20	1V/100K	4.70	6.70	32.00	17.00
TMPC1205HPV-3R3MG-D	3.30	±20	1V/100K	6.80	9.20	32.00	15.00
TMPC1205HPV-4R7MG-D	4.70	±20	1V/100K	11.40	15.00	27.00	12.00
TMPC1205HPV-5R0MG-D	5.00	±20	1V/100K	12.00	15.50	24.00	12.00
TMPC1205HPV-5R6MG-D	5.60	±20	1V/100K	12.30	16.50	22.00	11.50
TMPC1205HPV-6R0MG-D	6.00	±20	1V/100K	13.00	16.50	21.50	11.50
TMPC1205HPV-6R8MG-D	6.80	±20	1V/100K	14.50	18.50	21.00	11.00
TMPC1205HPV-7R8MG-D	7.80	±20	1V/100K	16.00	19.20	19.00	10.00
TMPC1205HPV-8R2MG-D	8.20	±20	1V/100K	16.80	22.50	18.00	9.50
TMPC1205HPV-100MG-D	10.0	±20	1V/100K	21.40	25.50	16.00	9.00
TMPC1205HPV-120MG-D	12.0	±20	1V/100K	28.00	34.00	15.00	8.60
TMPC1205HPV-150MG-D	15.0	±20	1V/100K	32.00	38.00	13.00	8.20
TMPC1205HPV-180MG-D	18.0	±20	1V/100K	40.00	45.00	11.00	7.50
TMPC1205HPV-220MG-D	22.0	±20	1V/100K	50.00	58.00	10.00	6.50

Note:

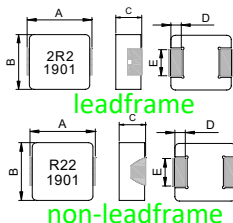
- 1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40 °C.
- 2.Saturation Current (Isat) will cause L0 to drop approximately 30%.



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For the latest specification, please visit our website: www.tai-tech.com.tw

■ 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

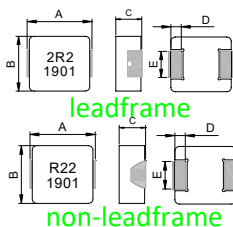
■ Specifications

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.
TMPC1206HPV-1R0MG-D	1.00	±20	1V/100K	1.80	2.40	53.0	47.0	29.0	27.0
TMPC1206HPV-1R2MG-D	1.20	±20	1V/100K	2.10	2.80	51.0	45.0	28.0	25.0
TMPC1206HPV-1R5MG-D	1.50	±20	1V/100K	2.70	3.20	50.0	43.0	26.0	24.0
TMPC1206HPV-1R7MG-D	1.70	±20	1V/100K	3.50	4.00	48.0	42.0	25.0	22.0
TMPC1206HPV-1R8MG-D	1.80	±20	1V/100K	3.50	4.00	47.0	42.0	24.0	22.0
TMPC1206HPV-1R9MG-D	1.90	±20	1V/100K	3.70	4.30	44.0	41.0	22.0	21.0
TMPC1206HPV-2R2MG-D	2.20	±20	1V/100K	4.00	4.70	43.0	39.0	21.0	19.0
TMPC1206HPV-2R7MG-D	2.70	±20	1V/100K	4.60	5.40	40.0	36.0	19.0	18.0
TMPC1206HPV-2R9MG-D	2.90	±20	1V/100K	4.90	6.00	38.0	35.0	18.0	17.0
TMPC1206HPV-3R3MG-D	3.30	±20	1V/100K	5.80	7.10	35.0	32.0	17.0	15.0
TMPC1206HPV-4R7MG-D	4.70	±20	1V/100K	9.50	11.5	30.0	26.0	16.0	13.0
TMPC1206HPV-5R6MG-D	5.60	±20	1V/100K	10.8	12.6	28.0	24.0	15.5	12.0
TMPC1206HPV-6R8MG-D	6.80	±20	1V/100K	12.0	13.8	25.0	21.0	15.0	11.0
TMPC1206HPV-8R2MG-D	8.20	±20	1V/100K	13.6	16.0	23.0	19.0	11.0	10.0
TMPC1206HPV-100MG-D	10.0	±20	1V/100K	18.0	20.7	21.0	18.0	11.0	9.00
TMPC1206HPV-120MG-D	12.0	±20	1V/100K	20.0	23.0	18.0	16.0	9.50	8.00
TMPC1206HPV-150MG-D	15.0	±20	1V/100K	25.0	29.0	16.0	14.0	9.00	7.00
TMPC1206HPV-180MG-D	18.0	±20	1V/100K	30.0	35.0	15.0	12.0	8.50	6.50
TMPC1206HPV-220MG-D	22.0	±20	1V/100K	34.0	39.5	14.0	11.0	8.00	6.00
TMPC1206HPV-270MG-D	27.0	±20	1V/100K	49.0	56.0	13.0	10.0	7.00	5.50
TMPC1206HPV-330MG-D	33.0	±20	1V/100K	65.0	75.0	12.0	9.00	6.00	5.00
TMPC1206HPV-470MG-D	47.0	±20	1V/100K	80.0	90.0	11.0	8.00	5.50	4.50

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40 .
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ 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.
TMPC1265HPV-R15MG-D	0.15	±20	1V/100K	1.20	1.70	60.00	32.50
TMPC1265HPV-R22MG-D	0.22	±20	1V/100K	1.30	1.80	50.00	27.60
TMPC1265HPV-R30MG-D	0.30	±20	1V/100K	1.50	1.90	45.00	27.00
TMPC1265HPV-R33MG-D	0.33	±20	1V/100K	1.50	1.90	45.00	27.00
TMPC1265HPV-R36MG-D	0.36	±20	1V/100K	1.70	2.30	43.00	25.00
TMPC1265HPV-R40MG-D	0.40	±20	1V/100K	1.80	2.50	41.00	24.00
TMPC1265HPV-R45MG-D	0.45	±20	1V/100K	1.80	2.50	41.00	24.00
TMPC1265HPV-R47MG-D	0.47	±20	1V/100K	2.10	2.80	40.00	23.00
TMPC1265HPV-R50MG-D	0.50	±20	1V/100K	2.50	3.10	39.00	22.00
TMPC1265HPV-R56MG-D	0.56	±20	1V/100K	3.30	3.50	39.00	21.00
TMPC1265HPV-R68MG-D	0.68	±20	1V/100K	3.20	3.80	35.00	21.00
TMPC1265HPV-R82MG-D	0.82	±20	1V/100K	3.50	3.90	32.00	20.00
TMPC1265HPV-1R0MG-D	1.00	±20	1V/100K	3.60	4.20	32.00	19.00
TMPC1265HPV-1R2MG-D	1.20	±20	1V/100K	3.71	4.10	27.50	18.00
TMPC1265HPV-1R4MG-D	1.40	±20	1V/100K	4.00	4.20	26.00	17.50
TMPC1265HPV-1R5MG-D	1.50	±20	1V/100K	4.70	5.00	25.50	16.50
TMPC1265HPV-1R8MG-D	1.80	±20	1V/100K	4.70	5.20	25.50	16.00
TMPC1265HPV-2R2MG-D	2.20	±20	1V/100K	4.80	5.50	25.00	15.50
TMPC1265HPV-2R7MG-D	2.70	±20	1V/100K	5.50	6.60	24.50	14.50
TMPC1265HPV-3R3MG-D	3.30	±20	1V/100K	6.70	8.00	24.00	13.00

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40 .
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.



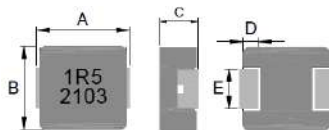
■ Specifications

Part Number	Inductance (μ H)	Tolerance (%)	Test Frequency (Hz)	DCR (m Ω) typ.	DCR (m Ω) max.	I sat (A) typ.	I rms (A) typ.
TMPC1265HPV-4R7MG-D	4.70	± 20	1V/100K	7.00	8.40	28.00	11.00
TMPC1265HPV-5R6MG-D	5.60	± 20	1V/100K	8.50	10.00	23.00	10.00
TMPC1265HPV-6R8MG-D	6.80	± 20	1V/100K	9.50	11.50	18.00	9.00
TMPC1265HPV-7R0MG-D	7.00	± 20	1V/100K	10.00	12.30	17.70	8.50
TMPC1265HPV-8R2MG-D	8.20	± 20	1V/100K	12.00	15.50	16.00	8.20
TMPC1265HPV-100MG-D	10.0	± 20	1V/100K	13.20	16.50	15.50	8.00
TMPC1265HPV-120MG-D	12.0	± 20	1V/100K	16.00	20.00	14.00	7.00
TMPC1265HPV-130MG-D	13.0	± 20	1V/100K	21.00	24.00	13.00	7.00
TMPC1265HPV-150MG-D	15.0	± 20	1V/100K	23.20	28.00	13.00	6.00
TMPC1265HPV-220MG-D	22.0	± 20	1V/100K	32.50	37.00	12.00	5.50
TMPC1265HPV-250MG-D	25.0	± 20	1V/100K	40.00	47.00	11.50	5.00
TMPC1265HPV-330MG-D	33.0	± 20	1V/100K	48.00	58.00	11.00	4.50
TMPC1265HPV-470MG-D	47.0	± 20	1V/100K	76.00	90.00	9.50	4.00

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40 .
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ Dimensions



Dimensions	
A	17.6±0.40
B	16.9±0.30
C	6.70±0.30
D	2.10±0.30
E	11.9±0.30

Units: mm

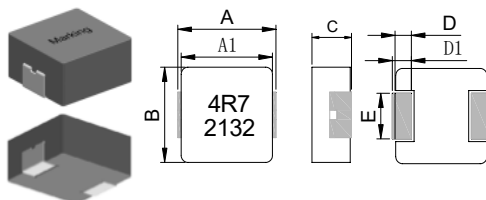
■ Specifications

Part Number	Inductance (μ H)	Tolerance (%)	Test Frequency (Hz)	DCR (m Ω) typ.	DCR (m Ω) max.	I sat (A) typ.	I rms (A) typ.
TMPC1707HPV-1R0MG	1.00	±20	1V/100K	1.60	2.00	70.0	52.0
TMPC1707HPV-1R3MG	1.30	±20	1V/100K	1.70	2.30	67.0	49.0
TMPC1707HPV-1R5MG	1.50	±20	1V/100K	2.00	2.50	65.0	47.0
TMPC1707HPV-1R8MG	1.80	±20	1V/100K	2.10	2.50	63.0	45.0
TMPC1707HPV-2R2MG	2.20	±20	1V/100K	2.40	2.70	62.0	43.5
TMPC1707HPV-3R3MG	3.30	±20	1V/100K	3.50	3.90	54.0	28.0
TMPC1707HPV-4R7MG	4.70	±20	1V/100K	4.80	5.50	50.0	25.0
TMPC1707HPV-5R6MG	5.60	±20	1V/100K	5.80	7.10	45.0	21.0
TMPC1707HPV-6R8MG	6.80	±20	1V/100K	8.40	9.20	39.0	19.0
TMPC1707HPV-7R4MG	7.40	±20	1V/100K	8.80	9.70	34.0	18.5
TMPC1707HPV-8R2MG	8.20	±20	1V/100K	9.60	10.8	31.0	18.0
TMPC1707HPV-100MG	10.0	±20	1V/100K	11.8	13.0	29.0	16.5
TMPC1707HPV-150MG	15.0	±20	1V/100K	17.8	20.5	27.0	12.5
TMPC1707HPV-220MG	22.0	±20	1V/100K	25.1	26.5	23.0	12.0
TMPC1707HPV-330MG	33.0	±20	1V/100K	38.0	44.0	20.0	10.7
TMPC1707HPV-390MG	39.0	±20	1V/100K	40.0	48.0	18.0	9.20
TMPC1707HPV-470MG	47.0	±20	1V/100K	48.0	55.0	16.0	8.70
TMPC1707HPV-560MG	56.0	±20	1V/100K	54.0	62.0	15.0	7.80
TMPC1707HPV-680MG	68.0	±20	1V/100K	68.0	80.0	13.0	7.00
TMPC1707HPV-820MG	82.0	±20	1V/100K	87.0	100	12.0	5.70
TMPC1707HPV-101MG	100	±20	1V/100K	102	118	12.0	5.30

Note:

- Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40 .
- Saturation Current (I_{sat}) will cause L₀ to drop approximately 30%.

■ 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

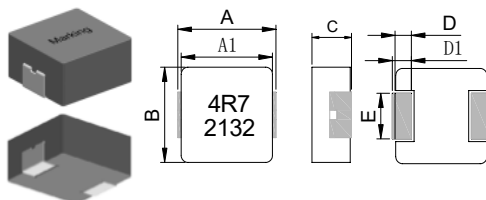
■ Specifications

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.
TMPV0503SPV-R68MN-D	0.68	±20	1V/100K	8.50	9.70	11.7	10.0	12.0	11.0
TMPV0503SPV-1R0MN-D	1.00	±20	1V/100K	10.0	11.5	8.00	6.70	10.5	9.50
TMPV0503SPV-1R5MN-D	1.50	±20	1V/100K	15.4	17.7	6.50	5.70	8.50	7.60
TMPV0503SPV-2R2MN-D	2.20	±20	1V/100K	20.0	23.0	5.80	4.80	7.50	6.60
TMPV0503SPV-3R3MN-D	3.30	±20	1V/100K	31.0	36.0	5.40	4.50	6.00	5.50
TMPV0503SPV-4R7MN-D	4.70	±20	1V/100K	49.0	57.0	4.50	4.00	5.20	4.40
TMPV0503SPV-5R6MN-D	5.60	±20	1V/100K	61.0	71.0	4.30	3.80	4.40	3.80
TMPV0503SPV-6R8MN-D	6.80	±20	1V/100K	72.0	83.0	4.00	3.50	4.00	3.50
TMPV0503SPV-100MN-D	10.0	±20	1V/100K	97.0	111	2.40	2.00	3.00	2.50
TMPV0503SPV-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%.

■ 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

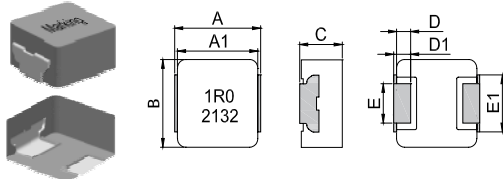
■ Specifications

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.
TMPV0504SPV-R47MN-D	0.47	±20	1V/100K	5.50	6.30	16.3	14.8	13.5	12.5
TMPV0504SPV-R68MN-D	0.68	±20	1V/100K	7.50	8.60	15.2	13.7	12.5	11.5
TMPV0504SPV-1R0MN-D	1.00	±20	1V/100K	9.80	11.3	13.0	11.5	11.5	10.5
TMPV0504SPV-1R5MN-D	1.50	±20	1V/100K	14.7	16.2	12.0	10.5	9.00	8.00
TMPV0504SPV-2R2MN-D	2.20	±20	1V/100K	21.8	24.0	11.0	9.50	7.80	7.00
TMPV0504SPV-3R3MN-D	3.30	±20	1V/100K	30.0	34.5	9.00	8.00	6.80	6.20
TMPV0504SPV-4R7MN-D	4.70	±20	1V/100K	35.6	39.2	8.10	7.20	6.10	5.70
TMPV0504SPV-6R8MN-D	6.80	±20	1V/100K	50.0	57.5	6.30	5.40	5.20	4.70
TMPV0504SPV-100MN-D	10.0	±20	1V/100K	82.0	92.0	5.20	4.60	4.00	3.60
TMPV0504SPV-150MN-D	15.0	±20	1V/100K	100	120	3.80	3.20	3.00	2.80
TMPV0504SPV-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%.

■ 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

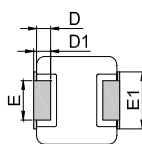
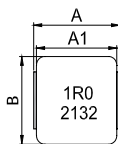
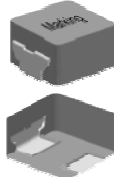
■ Specifications

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.
TMPV0603SV-R47MN-D	0.47	±20	1V/100K	3.40	3.74	19.0	17.0	19.0	17.0
TMPV0603SV-1R0MN-D	1.00	±20	1V/100K	6.00	6.60	14.0	12.5	14.0	12.5
TMPV0603SV-1R5MN-D	1.50	±20	1V/100K	10.6	11.7	13.0	12.0	11.5	10.0
TMPV0603SV-2R2MN-D	2.20	±20	1V/100K	15.0	16.5	10.5	9.50	9.00	8.00
TMPV0603SV-3R3MN-D	3.30	±20	1V/100K	22.0	24.2	9.50	8.10	7.80	6.60
TMPV0603SV-4R7MN-D	4.70	±20	1V/100K	29.0	32.0	7.20	6.20	6.40	5.50
TMPV0603SV-6R8MN-D	6.80	±20	1V/100K	42.0	46.2	6.10	5.50	5.20	4.50
TMPV0603SV-8R2MN-D	8.20	±20	1V/100K	49.0	54.0	5.60	4.50	4.80	4.00
TMPV0603SV-100MN-D	10.0	±20	1V/100K	63.0	69.3	4.70	4.00	4.20	3.70
TMPV0603SV-150MN-D	15.0	±20	1V/100K	100	110	4.00	3.20	3.70	3.20
TMPV0603SV-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%.

■ 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

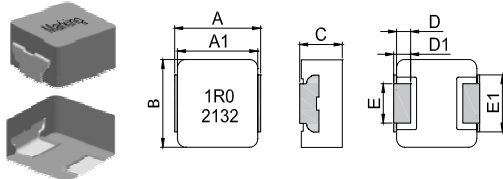
■ Specifications

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.
TMPV0754SV-1R5MN-D	1.5	±20	1V/100K	6.3	7.3	19.0	17.0	17.0	15.0
TMPV0754SV-2R2MN-D	2.2	±20	1V/100K	9.7	11.2	16.5	14.5	14.5	13.0
TMPV0754SV-3R3MN-D	3.3	±20	1V/100K	13.0	15.0	14.0	12.3	11.5	10.5
TMPV0754SV-4R7MN-D	4.7	±20	1V/100K	17.8	20.5	13.3	11.3	10.5	9.0
TMPV0754SV-5R6MN-D	5.6	±20	1V/100K	19.2	22.1	11.0	9.5	9.3	8.5
TMPV0754SV-6R8MN-D	6.8	±20	1V/100K	23.0	26.5	10.2	9.0	8.7	8.0
TMPV0754SV-8R2MN-D	8.2	±20	1V/100K	27.3	31.4	9.2	8.1	8.0	7.5
TMPV0754SV-100MN-D	10.0	±20	1V/100K	33.0	38.0	8.0	7.0	7.2	6.7
TMPV0754SV-150MN-D	15.0	±20	1V/100K	60.0	66.0	7.2	6.2	5.5	5.0
TMPV0754SV-220MN-D	22.0	±20	1V/100K	85.0	93.5	6.3	5.4	5.0	4.5
TMPV0754SV-330MN-D	33.0	±20	1V/100K	111.0	127.6	4.9	4.2	4.0	3.5
TMPV0754SV-470MN-D	47.0	±20	1V/100K	156.0	171.6	4.1	3.5	3.2	2.7
TMPV0754SV-680MN-D	68.0	±20	1V/100K	218.0	251.0	3.0	2.6	2.7	2.4
TMPV0754SV-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%.

■ 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

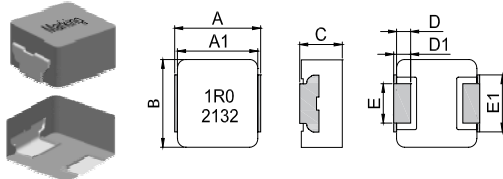
■ Specifications

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.
TMPV1004SV-R47MN-D	0.47	±20	1V/100K	1.42	1.63	31.0	28.0	34.0	29.0
TMPV1004SV-R56MN-D	0.56	±20	1V/100K	1.70	2.00	29.0	27.0	32.0	27.0
TMPV1004SV-R68MN-D	0.68	±20	1V/100K	2.00	2.30	28.0	26.0	31.0	26.0
TMPV1004SV-R82MN-D	0.82	±20	1V/100K	2.40	2.70	26.5	24.0	27.0	23.0
TMPV1004SV-R78MN-D	0.78	±20	1V/100K	2.30	2.50	27.0	25.0	30.0	25.0
TMPV1004SV-1R0MN-D	1.00	±20	1V/100K	2.70	3.10	26.0	23.0	25.0	21.0
TMPV1004SV-1R5MN-D	1.50	±20	1V/100K	3.90	4.50	24.0	21.0	22.0	19.0
TMPV1004SV-1R8MN-D	1.80	±20	1V/100K	4.40	5.50	23.0	20.0	20.0	17.0
TMPV1004SV-2R2MN-D	2.20	±20	1V/100K	5.30	6.10	19.0	17.0	18.0	16.0
TMPV1004SV-3R3MN-D	3.30	±20	1V/100K	9.00	10.4	17.0	15.0	15.0	13.0
TMPV1004SV-4R7MN-D	4.70	±20	1V/100K	13.4	15.0	13.5	11.5	11.0	10.0
TMPV1004SV-5R6MN-D	5.60	±20	1V/100K	15.4	17.0	12.0	10.5	10.5	9.50
TMPV1004SV-6R8MN-D	6.80	±20	1V/100K	17.0	19.0	11.0	10.0	10.0	9.50
TMPV1004SV-8R2MN-D	8.20	±20	1V/100K	23.0	25.3	9.00	8.00	8.50	7.70
TMPV1004SV-100MN-D	10.0	±20	1V/100K	27.0	30.0	8.20	7.50	8.00	7.20
TMPV1004SV-120MN-D	12.0	±20	1V/100K	29.0	33.4	7.50	6.90	7.40	6.80
TMPV1004SV-150MN-D	15.0	±20	1V/100K	40.0	45.0	7.00	6.30	6.40	6.00
TMPV1004SV-220MN-D	22.0	±20	1V/100K	59.0	68.0	6.00	5.50	5.50	5.00
TMPV1004SV-330MN-D	33.0	±20	1V/100K	89.0	102	4.80	4.10	4.70	3.70
TMPV1004SV-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%.

■ 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

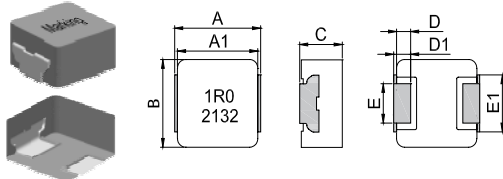
■ Specifications

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.
TMPV1054SV-R68MN-D	0.68	±20	1V/100K	1.85	2.22	46.0	40.0	32.0	28.8
TMPV1054SV-1R0MN-D	1.00	±20	1V/100K	2.30	2.76	37.0	31.7	30.0	27.0
TMPV1054SV-1R2MN-D	1.20	±20	1V/100K	3.00	3.60	29.0	26.0	27.0	24.0
TMPV1054SV-1R5MN-D	1.50	±20	1V/100K	3.60	4.30	28.0	25.0	25.0	23.0
TMPV1054SV-1R8MN-D	1.80	±20	1V/100K	3.90	4.60	26.0	22.5	24.0	22.0
TMPV1054SV-2R2MN-D	2.20	±20	1V/100K	4.10	4.90	25.0	21.4	23.0	20.7
TMPV1054SV-3R3MN-D	3.30	±20	1V/100K	6.20	7.20	20.0	17.5	18.7	16.8
TMPV1054SV-4R7MN-D	4.70	±20	1V/100K	9.00	10.0	17.0	14.5	14.5	13.0
TMPV1054SV-5R6MN-D	5.60	±20	1V/100K	10.2	11.7	16.2	14.0	13.2	12.0
TMPV1054SV-6R8MN-D	6.80	±20	1V/100K	12.4	14.0	15.3	13.5	12.3	11.0
TMPV1054SV-8R2MN-D	8.20	±20	1V/100K	17.8	20.5	14.0	12.0	10.3	9.20
TMPV1054SV-100MN-D	10.0	±20	1V/100K	20.0	23.0	13.0	11.0	9.00	7.80
TMPV1054SV-120MN-D	12.0	±20	1V/100K	23.0	26.4	9.80	8.50	8.30	7.30
TMPV1054SV-150MN-D	15.0	±20	1V/100K	26.3	30.3	9.20	7.90	7.60	6.80
TMPV1054SV-180MN-D	18.0	±20	1V/100K	33.0	38.0	9.00	7.70	7.00	6.10
TMPV1054SV-220MN-D	22.0	±20	1V/100K	43.0	49.5	8.40	7.00	6.00	5.40
TMPV1054SV-330MN-D	33.0	±20	1V/100K	66.0	75.3	7.60	6.50	5.00	4.30
TMPV1054SV-470MN-D	47.0	±20	1V/100K	89.0	103	5.50	4.80	4.20	3.70
TMPV1054SV-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%.

■ 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.
TMPV1265SPV-R68MN-D	0.68	±20	1V/100K	1.35	1.62	36.5	31.0	36.5	30.0
TMPV1265SPV-1R0MN-D	1.00	±20	1V/100K	1.75	2.10	32.0	28.0	32.0	27.0
TMPV1265SPV-1R5MN-D	1.50	±20	1V/100K	2.30	2.76	29.0	26.0	27.0	24.0
TMPV1265SPV-2R2MN-D	2.20	±20	1V/100K	3.60	4.20	26.0	23.0	23.0	20.0
TMPV1265SPV-3R3MN-D	3.30	±20	1V/100K	5.90	6.80	24.0	21.0	19.0	16.0
TMPV1265SPV-4R7MN-D	4.70	±20	1V/100K	7.30	8.40	20.0	18.0	17.0	14.0
TMPV1265SPV-5R6MN-D	5.60	±20	1V/100K	9.10	10.0	18.0	16.0	15.0	13.0
TMPV1265SPV-6R8MN-D	6.80	±20	1V/100K	9.70	11.2	17.0	15.0	14.0	12.0
TMPV1265SPV-8R2MN-D	8.20	±20	1V/100K	11.8	13.6	16.0	14.0	13.0	11.0
TMPV1265SPV-100MN-D	10.0	±20	1V/100K	14.3	16.5	13.5	12.0	12.0	10.0
TMPV1265SPV-150MN-D	15.0	±20	1V/100K	23.6	27.2	10.0	9.00	9.00	8.00
TMPV1265SPV-220MN-D	22.0	±20	1V/100K	34.1	39.2	8.00	7.00	7.50	6.50
TMPV1265SPV-330MN-D	33.0	±20	1V/100K	53.0	61.0	7.20	6.30	6.30	5.50
TMPV1265SPV-470MN-D	47.0	±20	1V/100K	74.1	89.0	6.00	5.10	5.20	4.30

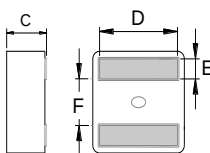
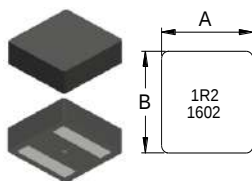
Note:

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

TMPF0402LRV Series (1717 inch -55~+155℃)



■ 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

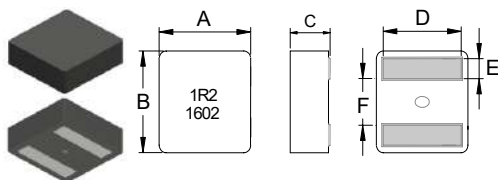
■ Specifications

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
TMPF0402LRV-R47MN-ABD	0.47	±20	0.1V/100K	6.00	6.80	14.00	12.50	9.80	13.20
TMPF0402LRV-R56MN-ABD	0.56	±20	0.1V/100K	6.90	7.80	13.00	11.30	9.50	12.60
TMPF0402LRV-R60MN-ABD	0.60	±20	0.1V/100K	6.90	7.80	12.80	11.10	9.40	12.40
TMPF0402LRV-R68MN-ABD	0.68	±20	0.1V/100K	7.30	8.20	11.60	10.00	9.20	12.00
TMPF0402LRV-R82MN-ABD	0.82	±20	0.1V/100K	8.60	9.50	10.20	9.00	8.50	11.50
TMPF0402LRV-1R0MN-ABD	1.00	±20	0.1V/100K	10.60	11.70	9.20	8.00	8.00	11.00
TMPF0402LRV-1R2MN-ABD	1.20	±20	0.1V/100K	12.20	13.40	8.60	7.50	7.20	9.50
TMPF0402LRV-1R5MN-ABD	1.50	±20	0.1V/100K	14.40	15.80	7.50	6.70	6.70	9.10
TMPF0402LRV-2R0MN-ABD	2.00	±20	0.1V/100K	21.15	23.30	6.20	5.00	6.20	8.20
TMPF0402LRV-2R2MN-ABD	2.20	±20	0.1V/100K	21.35	23.50	6.00	4.80	6.00	8.00
TMPF0402LRV-3R3MN-ABD	3.30	±20	0.1V/100K	34.20	38.30	5.30	4.40	4.40	5.50

Note:

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

■ 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
TMPF0402AV-R10MN-ABD	0.10	±20	0.1V/100K	2.20	2.42	38.00	33.00	13.50	18.00
TMPF0402AV-R22MN-ABD	0.22	±20	0.1V/100K	4.10	4.60	19.50	18.80	13.00	16.80
TMPF0402AV-R33MN-ABD	0.33	±20	0.1V/100K	5.00	5.50	18.00	16.50	12.00	15.50
TMPF0402AV-R36MN-ABD	0.36	±20	0.1V/100K	5.60	6.30	17.00	15.00	11.00	14.50
TMPF0402AV-R40MN-ABD	0.40	±20	0.1V/100K	6.90	7.73	15.50	13.50	10.00	14.00
TMPF0402AV-R47MN-ABD	0.47	±20	0.1V/100K	7.80	8.58	14.50	13.00	9.00	12.50
TMPF0402AV-R56MN-ABD	0.56	±20	0.1V/100K	8.40	9.30	14.00	12.60	8.50	12.00
TMPF0402AV-R60MN-ABD	0.60	±20	0.1V/100K	8.60	9.52	13.70	12.30	8.00	11.70
TMPF0402AV-R72MN-ABD	0.72	±20	0.1V/100K	10.40	11.60	12.00	10.60	7.60	10.50
TMPF0402AV-1R0MN-ABD	1.00	±20	0.1V/100K	13.30	14.60	9.60	8.80	6.80	9.60
TMPF0402AV-1R2MN-ABD	1.20	±20	0.1V/100K	16.20	17.90	9.00	7.80	6.60	9.00
TMPF0402AV-1R5MN-ABD	1.50	±20	0.1V/100K	21.00	23.50	8.00	7.40	5.80	7.60
TMPF0402AV-1R8MN-ABD	1.80	±20	0.1V/100K	25.00	28.00	7.50	7.00	5.20	7.00

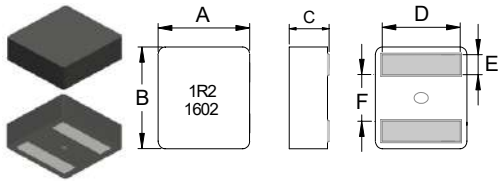
Note:

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

TMPF0403LRV Series (1717 inch -55~+155)



■ 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

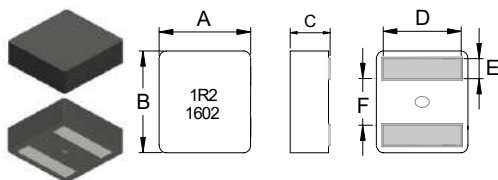
■ Specifications

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
TMPF0403LRV-R90MN-ABD	0.90	±20	0.1V/100K	9.10	10.1	10.0	9.00	8.20	11.2
TMPF0403LRV-1R0MN-ABD	1.00	±20	0.1V/100K	9.10	10.1	9.80	9.20	8.00	11.0
TMPF0403LRV-1R2MN-ABD	1.20	±20	0.1V/100K	10.4	11.5	9.20	8.70	7.80	9.80
TMPF0403LRV-1R5MN-ABD	1.50	±20	0.1V/100K	12.0	13.2	8.00	7.00	7.00	9.00
TMPF0403LRV-1R8MN-ABD	1.80	±20	0.1V/100K	17.4	19.2	7.50	6.60	6.50	8.20
TMPF0403LRV-2R2MN-ABD	2.20	±20	0.1V/100K	20.5	22.6	7.00	6.10	6.00	7.80
TMPF0403LRV-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%.

■ 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

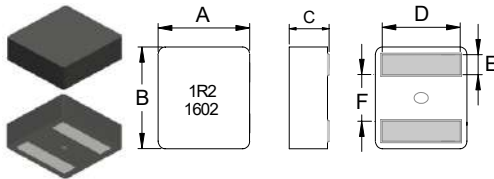
■ Specifications

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
TMPF0502AV-R15MN-ABD	0.15	±20	0.1V/100K	4.00	4.60	30.0	27.0	13.9	18.8
TMPF0502AV-R16MN-ABD	0.16	±20	0.1V/100K	4.00	4.60	30.0	27.0	13.9	18.8
TMPF0502AV-R33MN-ABD	0.33	±20	0.1V/100K	6.10	7.00	26.0	24.0	10.5	14.4
TMPF0502AV-R47MN-ABD	0.47	±20	0.1V/100K	7.00	8.05	22.0	20.0	10.1	14.1
TMPF0502AV-R56MN-ABD	0.56	±20	0.1V/100K	8.70	9.54	19.0	16.0	9.90	13.9
TMPF0502AV-R68MN-ABD	0.68	±20	0.1V/100K	8.90	10.2	16.0	14.0	9.60	13.4
TMPF0502AV-R80MN-ABD	0.80	±20	0.1V/100K	10.3	11.8	15.5	13.5	9.40	13.0
TMPF0502AV-R82MN-ABD	0.82	±20	0.1V/100K	11.0	12.7	15.0	13.0	8.50	12.0
TMPF0502AV-1R0MN-ABD	1.00	±20	0.1V/100K	12.0	13.8	14.5	12.8	7.50	10.5
TMPF0502AV-1R2MN-ABD	1.20	±20	0.1V/100K	14.2	16.0	14.0	12.2	6.80	9.40
TMPF0502AV-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%.

■ 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

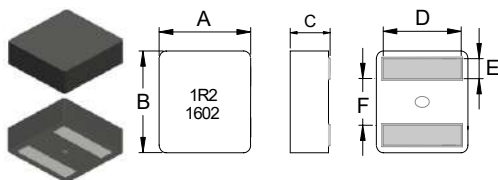
■ Specifications

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
TMPF0503AV-R15MN-ABD	0.15	±20	0.1V/100K	2.10	2.31	36.0	32.5	14.3	22.2
TMPF0503AV-R16MN-ABD	0.16	±20	0.1V/100K	2.12	2.33	35.0	32.0	14.2	22.2
TMPF0503AV-R28MN-ABD	0.28	±20	0.1V/100K	3.00	3.30	32.0	28.0	14.0	19.0
TMPF0503AV-R33MN-ABD	0.33	±20	0.1V/100K	3.20	3.52	28.0	26.0	13.8	19.2
TMPF0503AV-R47MN-ABD	0.47	±20	0.1V/100K	3.75	4.13	26.0	24.0	13.7	18.4
TMPF0503AV-R56MN-ABD	0.56	±20	0.1V/100K	4.05	4.52	22.2	20.2	13.6	17.7
TMPF0503AV-R60MN-ABD	0.60	±20	0.1V/100K	4.11	4.52	22.0	20.0	13.6	17.7
TMPF0503AV-R80MN-ABD	0.80	±20	0.1V/100K	5.14	5.65	20.0	18.0	10.1	13.1
TMPF0503AV-R82MN-ABD	0.82	±20	0.1V/100K	5.25	5.78	19.7	17.6	9.90	12.9
TMPF0503AV-1R0MN-ABD	1.00	±20	0.1V/100K	6.90	7.60	16.5	14.3	9.00	12.2
TMPF0503AV-1R2MN-ABD	1.20	±20	0.1V/100K	8.80	9.70	15.0	13.5	8.50	11.0
TMPF0503AV-1R5MN-ABD	1.50	±20	0.1V/100K	10.1	11.2	14.0	12.5	8.00	10.5
TMPF0503AV-1R8MN-ABD	1.80	±20	0.1V/100K	11.5	12.7	12.3	11.3	7.60	10.1
TMPF0503AV-2R2MN-ABD	2.20	±20	0.1V/100K	13.2	14.5	10.0	9.00	7.20	9.70
TMPF0503AV-3R3MN-ABD	3.30	±20	0.1V/100K	21.0	23.1	9.50	8.70	5.90	8.10
TMPF0503AV-3R6MN-ABD	3.60	±20	0.1V/100K	25.0	27.5	9.00	7.90	4.60	6.50
TMPF0503AV-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%.

■ 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

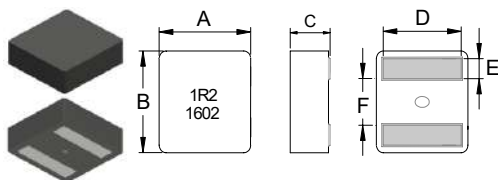
■ Specifications

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
TMPF0505LRV-4R7MN-ABD	4.70	±20	0.1V/100K	19.0	21.0	8.80	7.40	5.90	8.10
TMPF0505LRV-5R6MN-ABD	5.60	±20	0.1V/100K	22.0	24.2	8.60	7.20	5.30	7.20
TMPF0505LRV-6R8MN-ABD	6.80	±20	0.1V/100K	26.0	28.6	7.80	6.60	4.80	6.40
TMPF0505LRV-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%.

■ 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

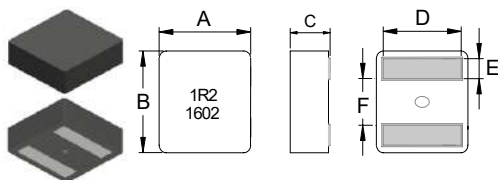
■ Specifications

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
TMPF0603AV-R18MN-ABD	0.18	±20	0.1V/100K	1.60	1.75	40.0	36.0	24.0	32.0
TMPF0603AV-R33MN-ABD	0.33	±20	0.1V/100K	2.25	2.50	32.0	28.0	20.0	25.0
TMPF0603AV-R56MN-ABD	0.56	±20	0.1V/100K	3.00	3.31	29.0	25.0	17.0	22.0
TMPF0603AV-R68MN-ABD	0.68	±20	0.1V/100K	4.70	5.17	25.0	21.0	15.0	20.0
TMPF0603AV-1R0MN-ABD	1.00	±20	0.1V/100K	5.50	6.05	23.0	18.0	13.0	18.0
TMPF0603AV-1R2MN-ABD	1.20	±20	0.1V/100K	6.70	7.40	22.0	16.0	12.0	16.0
TMPF0603AV-1R5MN-ABD	1.50	±20	0.1V/100K	8.30	9.13	20.0	15.5	11.0	15.0
TMPF0603AV-1R8MN-ABD	1.80	±20	0.1V/100K	9.20	10.2	18.2	13.0	10.0	14.0
TMPF0603AV-2R2MN-ABD	2.20	±20	0.1V/100K	11.0	12.2	15.9	11.0	7.00	10.0
TMPF0603AV-3R3MN-ABD	3.30	±20	0.1V/100K	18.8	20.8	12.2	9.00	6.00	8.00
TMPF0603AV-4R5MN-ABD	4.50	±20	0.1V/100K	23.0	25.3	10.0	8.00	5.00	7.00
TMPF0603AV-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%.

■ 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

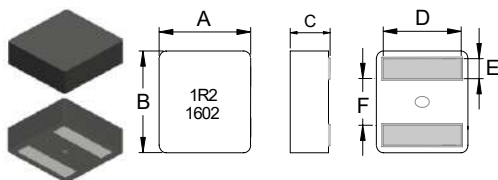
■ Specifications

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
TMPF0604AV-R47MN-ABD	0.47	±20	0.1V/100K	2.60	2.86	31.0	27.0	19.0	24.0
TMPF0604AV-R68MN-ABD	0.68	±20	0.1V/100K	3.60	3.96	26.0	22.0	16.0	20.5
TMPF0604AV-1R0MN-ABD	1.00	±20	0.1V/100K	4.90	5.39	23.0	18.0	14.0	19.0
TMPF0604AV-1R5MN-ABD	1.50	±20	0.1V/100K	6.40	7.04	17.0	13.0	12.0	16.0
TMPF0604AV-2R2MN-ABD	2.20	±20	0.1V/100K	10.6	11.7	15.9	11.5	8.00	11.0
TMPF0604AV-3R3MN-ABD	3.30	±20	0.1V/100K	14.1	15.5	12.3	9.60	7.00	9.20
TMPF0604AV-4R7MN-ABD	4.70	±20	0.1V/100K	21.0	23.1	10.2	8.00	6.00	7.80
TMPF0604AV-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%.

■ 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
TMPF0605AV-R82MN-ABD	0.82	±20	0.1V/100K	3.80	4.18	24.0	20.0	16.0	21.0
TMPF0605AV-1R0MN-ABD	1.00	±20	0.1V/100K	4.10	4.52	23.0	18.0	15.0	20.0
TMPF0605AV-1R2MN-ABD	1.20	±20	0.1V/100K	5.30	5.83	22.0	16.0	14.0	18.0
TMPF0605AV-1R5MN-ABD	1.50	±20	0.1V/100K	5.70	6.30	19.5	14.5	13.0	17.0
TMPF0605AV-1R8MN-ABD	1.80	±20	0.1V/100K	6.40	7.10	18.5	13.5	12.0	16.0
TMPF0605AV-2R2MN-ABD	2.20	±20	0.1V/100K	7.70	8.50	16.0	12.0	10.0	13.0
TMPF0605AV-3R3MN-ABD	3.30	±20	0.1V/100K	11.2	12.5	12.5	10.0	8.50	11.0
TMPF0605AV-4R3MN-ABD	4.30	±20	0.1V/100K	15.1	16.2	11.0	8.50	7.00	9.00
TMPF0605AV-4R7MN-ABD	4.70	±20	0.1V/100K	16.7	18.4	10.5	8.40	6.50	8.50

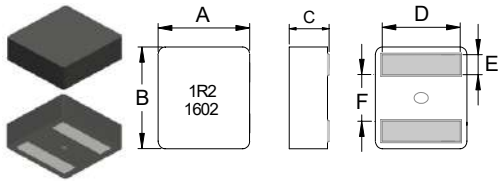
Note:

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

TMPF0606LRV Series (2828 inch -55~+155)



■ 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

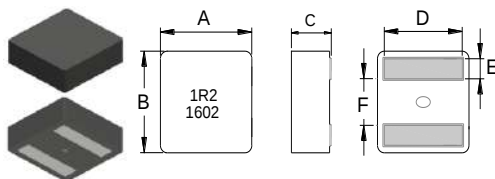
■ Specifications

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
TMPF0606LRV-4R7MN-ABD	4.70	±20	0.1V/100K	13.1	14.4	10.5	9.50	8.00	11.0
TMPF0606LRV-5R6MN-ABD	5.60	±20	0.1V/100K	14.3	15.8	10.0	9.00	7.50	10.0
TMPF0606LRV-6R8MN-ABD	6.80	±20	0.1V/100K	18.9	20.8	9.20	8.70	7.00	9.00
TMPF0606LRV-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%.

■ 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

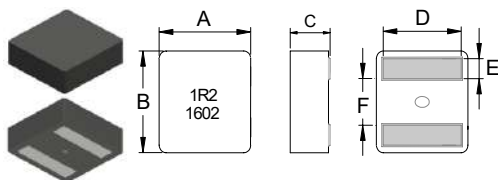
■ Specifications

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
TMPF0702AV-R33MN-ABD	0.33	±20	0.1V/100K	4.00	4.80	34.0	31.0	13.0	19.0
TMPF0702AV-R47MN-ABD	0.47	±20	0.1V/100K	5.10	6.20	28.0	25.0	12.0	17.0
TMPF0702AV-R68MN-ABD	0.68	±20	0.1V/100K	7.90	9.20	25.0	23.0	10.0	13.0
TMPF0702AV-1R0MN-ABD	1.00	±20	0.1V/100K	9.80	10.8	23.0	20.0	8.00	11.0
TMPF0702AV-1R2MN-ABD	1.20	±20	0.1V/100K	11.5	12.8	21.0	18.0	7.00	10.0
TMPF0702AV-1R5MN-ABD	1.50	±20	0.1V/100K	16.0	17.6	17.0	15.0	6.00	9.00
TMPF0702AV-1R8MN-ABD	1.80	±20	0.1V/100K	18.0	19.8	15.0	13.0	5.50	8.00

Note:

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

■ 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

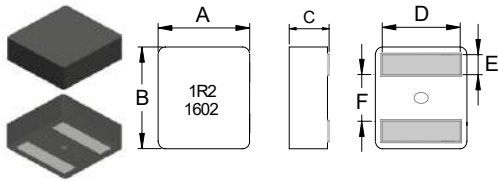
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) 20 rise	I rms (A) 40 rise
TMPF0703AV-1R0MN-ABD	1.00	±20	0.1V/100K	4.55	5.00	30.00	28.00	16.10	21.80
TMPF0703AV-1R5MN-ABD	1.50	±20	0.1V/100K	7.50	8.25	25.00	23.50	12.00	15.30
TMPF0703AV-2R2MN-ABD	2.20	±20	0.1V/100K	12.40	13.70	19.00	17.00	10.00	13.00
TMPF0703AV-2R7MN-ABD	2.70	±20	0.1V/100K	14.00	15.40	16.00	13.50	9.20	11.40
TMPF0703AV-3R3MN-ABD	3.30	±20	0.1V/100K	16.30	18.00	15.00	13.00	8.00	10.00
TMPF0703AV-4R7MN-ABD	4.70	±20	0.1V/100K	24.20	26.70	13.50	12.20	6.90	9.00
TMPF0703AV-5R6MN-ABD	5.60	±20	0.1V/100K	30.10	33.20	12.50	11.50	5.30	7.30
TMPF0703AV-6R8MN-ABD	6.80	±20	0.1V/100K	38.60	42.50	12.00	11.00	4.50	6.80
TMPF0703AV-8R2MN-ABD	8.20	±20	0.1V/100K	44.30	48.73	10.20	9.00	3.00	5.90

Note:

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



■ 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

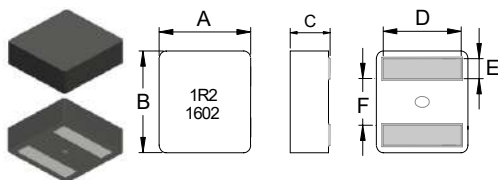
■ Specifications

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
TMPF0705AV-2R2MN-ABD	2.20	±20	0.1V/100K	5.80	6.40	21.00	17.00	11.00	14.00
TMPF0705AV-3R3MN-ABD	3.30	±20	0.1V/100K	10.40	11.44	17.00	14.00	10.00	13.00
TMPF0705AV-4R7MN-ABD	4.70	±20	0.1V/100K	14.00	15.40	15.00	13.00	8.50	11.00
TMPF0705AV-5R6MN-ABD	5.60	±20	0.1V/100K	15.60	17.20	13.00	11.00	7.00	10.00

Note:

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

■ 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

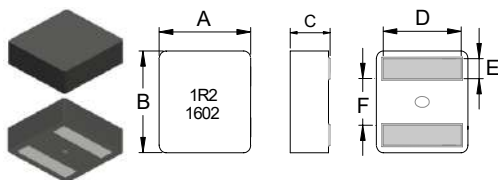
■ Specifications

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
TMPF0707AV-2R2MN-ABD	2.20	±20	0.1V/100K	5.73	6.33	19.60	17.60	13.20	17.80
TMPF0707AV-3R3MN-ABD	3.30	±20	0.1V/100K	8.56	9.42	19.40	15.10	11.50	15.10
TMPF0707AV-4R7MN-ABD	4.70	±20	0.1V/100K	12.20	13.50	15.50	14.00	10.50	13.60
TMPF0707AV-5R6MN-ABD	5.60	±20	0.1V/100K	13.67	15.03	14.10	12.00	8.50	11.40
TMPF0707AV-6R8MN-ABD	6.80	±20	0.1V/100K	17.80	19.60	12.80	11.00	7.00	9.50

Note:

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

■ 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

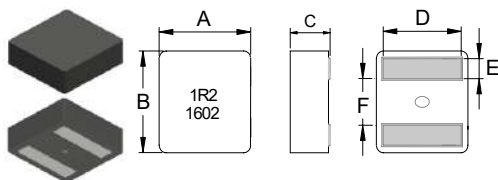
■ Specifications

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°C rise.	I rms (A) 40°C rise.
TMPF0808AV-1R8MN-ABD	1.80	±20	0.1V/100K	3.60	4.00	28.0	24.0	18.0	24.0
TMPF0808AV-2R2MN-ABD	2.20	±20	0.1V/100K	3.90	4.30	25.0	22.0	16.0	21.5
TMPF0808AV-3R3MN-ABD	3.30	±20	0.1V/100K	6.60	7.30	23.0	20.0	13.5	18.0
TMPF0808AV-4R7MN-ABD	4.70	±20	0.1V/100K	8.90	9.80	19.0	17.0	10.5	14.6
TMPF0808AV-6R8MN-ABD	6.80	±20	0.1V/100K	13.0	14.3	14.5	12.5	8.00	11.3
TMPF0808AV-100MN-ABD	10.0	±20	0.1V/100K	20.8	22.9	11.0	10.0	6.60	8.70

Note:

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

■ 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

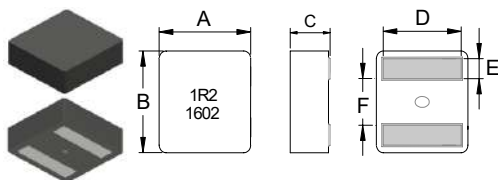
■ Specifications

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.
TMPF1006AV-R68MN-ABD	0.68	±20	0.1V/100K	1.25	1.50	55.00	50.00	22.50	34.00
TMPF1006AV-1R0MN-ABD	1.00	±20	0.1V/100K	2.00	2.32	48.00	44.00	20.00	28.50
TMPF1006AV-1R2MN-ABD	1.20	±20	0.1V/100K	2.40	2.64	45.00	40.00	18.00	26.50
TMPF1006AV-1R5MN-ABD	1.50	±20	0.1V/100K	2.90	3.30	40.00	36.00	16.00	24.50
TMPF1006AV-2R2MN-ABD	2.20	±20	0.1V/100K	4.40	4.84	35.00	30.00	14.00	20.00
TMPF1006AV-3R3MN-ABD	3.30	±20	0.1V/100K	7.00	7.70	28.00	25.00	11.40	16.80
TMPF1006AV-4R7MN-ABD	4.70	±20	0.1V/100K	9.70	10.72	25.00	22.00	8.70	14.00
TMPF1006AV-5R6MN-ABD	5.60	±20	0.1V/100K	10.80	11.90	20.00	17.00	7.00	12.00
TMPF1006AV-6R8MN-ABD	6.80	±20	0.1V/100K	11.80	13.00	18.00	15.50	6.00	10.50
TMPF1006AV-8R2MN-ABD	8.20	±20	0.1V/100K	15.00	16.50	16.50	14.00	5.00	9.50
TMPF1006AV-100MN-ABD	10.0	±20	0.1V/100K	16.50	18.20	15.00	13.00	4.50	9.00

Note:

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

■ 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

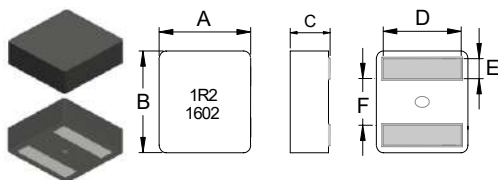
■ Specifications

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.
TMPF1010AV-2R2MN-ABD	2.20	±20	0.1V/100K	2.50	2.80	34.00	29.00	24.50	32.00
TMPF1010AV-3R3MN-ABD	3.30	±20	0.1V/100K	3.70	4.10	27.40	23.40	18.20	25.00
TMPF1010AV-4R7MN-ABD	4.70	±20	0.1V/100K	5.20	5.70	25.40	21.40	17.50	24.00
TMPF1010AV-5R6MN-ABD	5.60	±20	0.1V/100K	6.50	7.20	23.60	19.60	15.70	21.20
TMPF1010AV-6R8MN-ABD	6.80	±20	0.1V/100K	8.100	8.90	21.80	18.50	14.00	18.50
TMPF1010AV-8R2MN-ABD	8.20	±20	0.1V/100K	10.80	12.40	18.30	16.30	12.90	17.10
TMPF1010AV-100MN-ABD	10.00	±20	0.1V/100K	12.50	13.75	17.50	14.60	11.50	15.50
TMPF1010AV-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%.

■ Dimensions



Dimensions

A	17.50±0.30
B	16.50±0.30
C	7.70±0.20
D	13.20±0.50
E	3.20±0.20
F	7.00±0.30

Units: mm

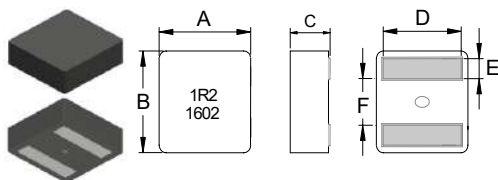
■ Specifications

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°C rise.	I rms (A) 40°C rise.
TMPF1508AV-R40MN-ABD	0.40	±20	0.1V/100K	0.55	0.66	111	101	47.0	60.0
TMPF1508AV-R74MN-ABD	0.74	±20	0.1V/100K	0.79	0.90	88.0	80.0	44.0	60.0
TMPF1508AV-1R0MN-ABD	1.00	±20	0.1V/100K	1.00	1.15	80.0	73.0	41.0	58.0
TMPF1508AV-1R1MN-ABD	1.10	±20	0.1V/100K	1.00	1.15	80.0	73.0	41.0	58.0
TMPF1508AV-1R3MN-ABD	1.30	±20	0.1V/100K	1.25	1.44	70.0	63.0	35.0	47.0
TMPF1508AV-1R8MN-ABD	1.80	±20	0.1V/100K	1.60	1.84	63.0	57.0	33.0	44.0
TMPF1508AV-2R0MN-ABD	2.00	±20	0.1V/100K	1.92	2.21	57.0	52.0	29.5	40.0
TMPF1508AV-2R2MN-ABD	2.20	±20	0.1V/100K	2.15	2.48	55.0	49.0	28.0	37.0
TMPF1508AV-3R0MN-ABD	3.00	±20	0.1V/100K	2.50	3.00	46.0	41.0	26.0	34.5
TMPF1508AV-4R2MN-ABD	4.20	±20	0.1V/100K	3.90	4.68	38.0	33.0	20.5	27.0
TMPF1508AV-4R7MN-ABD	4.70	±20	0.1V/100K	4.30	5.16	37.0	32.0	20.0	26.5
TMPF1508AV-5R3MN-ABD	5.30	±20	0.1V/100K	4.45	5.34	35.0	31.0	19.5	26.0
TMPF1508AV-6R2MN-ABD	6.20	±20	0.1V/100K	5.40	6.50	34.0	31.0	17.0	23.0
TMPF1508AV-7R2MN-ABD	7.20	±20	0.1V/100K	6.00	7.20	32.0	29.0	15.0	21.0
TMPF1508AV-8R2MN-ABD	8.20	±20	0.1V/100K	6.60	7.92	28.0	25.0	13.0	19.0
TMPF1508AV-100MN-ABD	10.0	±20	0.1V/100K	8.00	9.60	24.0	21.0	11.0	16.0
TMPF1508AV-150MN-ABD	15.0	±20	0.1V/100K	12.5	15.0	21.0	18.0	10.0	13.0
TMPF1508AV-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%.

■ 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

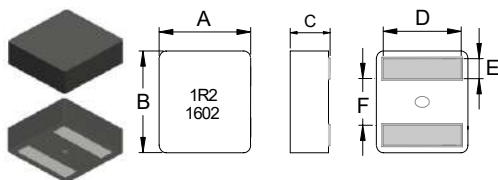
■ Specifications

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.
TMPF1510AV-4R7MN-ABD	4.70	±20	0.1V/100K	3.40	3.80	43.0	39.0	22.0	30.0
TMPF1510AV-5R6MN-ABD	5.60	±20	0.1V/100K	3.82	4.20	38.0	34.0	21.0	28.0
TMPF1510AV-6R8MN-ABD	6.80	±20	0.1V/100K	4.18	4.60	36.0	31.0	20.0	26.0
TMPF1510AV-8R2MN-ABD	8.20	±20	0.1V/100K	6.00	7.20	32.0	28.0	19.0	25.0
TMPF1510AV-100MN-ABD	10.0	±20	0.1V/100K	7.10	8.60	29.0	26.0	18.0	24.0
TMPF1510AV-150MN-ABD	15.0	±20	0.1V/100K	9.20	11.5	23.0	20.0	14.0	18.0
TMPF1510AV-220MN-ABD	22.0	±20	0.1V/100K	13.2	15.8	20.0	18.0	11.0	16.0

Note:

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

■ 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

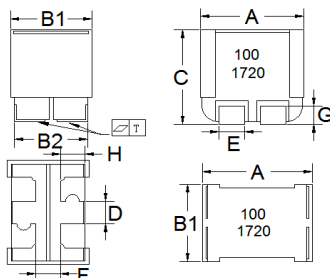
■ Specifications

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.
TMPF1513AV-4R7MN-ABD	4.70	±20	0.1V/100K	3.00	3.30	44.00	40.00	23.00	31.00
TMPF1513AV-5R6MN-ABD	5.60	±20	0.1V/100K	3.50	3.90	40.00	35.00	22.00	29.00
TMPF1513AV-6R8MN-ABD	6.80	±20	0.1V/100K	3.80	4.20	37.00	32.00	21.00	27.00
TMPF1513AV-8R2MN-ABD	8.20	±20	0.1V/100K	5.10	5.74	33.00	29.00	20.00	26.00
TMPF1513AV-100MN-ABD	10.00	±20	0.1V/100K	6.30	7.00	30.00	27.00	19.00	25.00
TMPF1513AV-150MN-ABD	15.00	±20	0.1V/100K	6.80	7.50	25.50	21.00	16.00	22.00
TMPF1513AV-220MN-ABD	22.00	±20	0.1V/100K	12.60	13.86	22.00	19.00	12.00	17.00
TMPF1513AV-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%.

■ Dimensions



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) 20°C rise.	I rms (A) 40°C rise.
TBMA1004P4V-R43MN-D	0.43	±20	100K/1V	1.90	2.30	27.0	23.0	38.0	34.0
TBMA1004P4V-1R0MN-D	1.00	±20	100K/1V	3.30	4.00	18.0	/	27.0	/
TBMA1004P4V-3R3MN-D	3.30	±20	100K/1V	10.5	13.0	10.0	/	19.0	/
TBMA1004P4V-5R6MN-D	5.60	±20	100K/1V	20.0	23.0	7.50	6.00	11.0	9.00
TBMA1004P4V-7R5MN-D	7.50	±20	100K/1V	25.0	28.0	6.80	5.30	10.0	8.00
TBMA1004P4V-100MN-D	10.0	±20	100K/1V	30.5	32.6	5.60	4.40	7.40	6.40
TBMA1004P4V-150MN-D	15.0	±20	100K/1V	43.5	45.5	4.60	4.10	5.50	5.00
TBMA1004P4V-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%.

Stress Tests for AEC-Q200

0.The Temperature Grades for Passive Electrical Component.

GRADE	TEMPERATURE RANGE		PASSIVE COMPONENT TYPE Maximum capability unless otherwise specified and qualified	TYPICAL/EXAMPLE APPLICATION
	MINIMUM	MAXIMUM		
0	-50°C	+150°C	Flat chip ceramic resistors, X8R ceramic capacitors	All automotive
1	-40°C	+125°C	Capacitor Networks, Resistors, Inductors, Transformers, Thermistors, Resonators, Crystals and Varistors, all other ceramic and tantalum capacitors	Most underhood
2	-40°C	+105°C	Aluminum Electrolytic capacitors	Passenger compartment hot spots
3	-40°C	+85°C	Film capacitors, Ferrites, R/R-C Networks and Trimmer capacitors	Most passenger compartment
4	0°C	+70°C		Non-automotive

1. Inductive Products Process Change Qualification Guidelines for the Selection of Tests.

- | | | |
|--|-----------------------------------|-----------------------------|
| 3. High Temperature Exposure (Storage) | 12. Resistance to Solvents | 21. Board Flex |
| 4. Temperature Cycling | 13. Mechanical Shock | 22. Terminal Strength (SMD) |
| | 14. Vibration | |
| 6. Moisture Resistance | 15. Resistance to Soldering Heat | |
| 7. Biased Humidity | 16. Thermal Shock | |
| 8. Operational Life | 17. Electrostatic Discharge (ESD) | |
| 9. External Visual | 18. Solderability | |
| 10. Physical Dimension | 19. Electrical Characterization | |
| 11. Terminal Strength (Leaded) | 20. Flammability | |

Stress Tests for AEC-Q200

Note: A letter or "●" indicates that performance of that stress test should be considered for the appropriate process change

[illegible]

a = Multilayer only

B = comparative data (unchanged vs. Changed) required

Stress Tests for AEC-Q200

2. Table of Test Methods for Inductors.(1/2)

Stress Tests	NO	Reference	Additional Requirements
Pre- and Post-Stress Electrical Test	1	User Spec.	Test is performed except as specified in the applicable stress reference and the additional requirements in Table .
High Temperature Exposure (Storage)	3	MIL-STD-202 Method 108	1000 hrs. at rated operating temperature (e.g. 125°C part can be stored for 1000 hrs. @ 125°C. Same applies for 105°C and 85°C. Unpowered. Measurement at 24±4 hours after test conclusion.
Temperature Cycling	4	JESD22 Method JA-104	1000 cycles (-40°C to +125°C). Note: If 85°C part or 105°C part the 1000 cycles will be at that temperature. Measurement at 24±4 hours after test conclusion. 30min maximum dwell time at each temperature extreme. 1 min. maximum transition time.
Moisture Resistance	6	MIL-STD-202 Method 106	t = 24 hours/cycle. Note: Steps 7a & 7b not required. Unpowered. Measurement at 24±2 hours after test conclusion.
Biased Humidity	7	MIL-STD-202 Method 103	1000 hours 85°C/85%RH. Unpowered. Measurement at 24±4 hours after test conclusion.
Operational Life	8	MIL-PRF-27	MIL-PRF-27 1000 hrs. @ 105°C. If 85°C or 125°C part will be tested at that temperature. Measurement at 24±4 hours after test conclusion.
External Visual	9	MIL-STD-883 Method 2009	Inspect device construction, marking and workmanship. Electrical Test not required.
Physical Dimension	10	JESD22 Method JB-100	Verify physical dimensions to the applicable device detail specification. Note: User(s) and Suppliers spec. Electrical Test not required.
Terminal Strength (Leaded)	11	MIL-STD-202 Method 211	Test leaded device lead integrity only. Conditions: A (910 g), C (1.13 kg), E (1.45 kg-mm)
Resistance to Solvents	12	MIL-STD-202 Method 215	Note: Add Aqueous wash chemical. OKEM Clean or equivalent. Do not use banned solvents.
Mechanical Shock	13	MIL-STD-202 Method 213	Figure 1 of Method 213. Condition C



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Stress Tests for AEC-Q200

2. Table of Test Methods for Inductors. (2/2)

Stress Tests	NO	Reference	Additional Requirements
Vibration	14	MIL-STD-202 Method 204	5g's for 20 minutes, 12 cycles each of 3 orientations. Note: Use 8"X5" PCB, .031" thick, 7 secure points on one long side and 2 secure points at corners of opposite sides. Parts mounted within 2" from any secure point. Test from 10-2000 Hz.
Resistance to Soldering Heat	15	MIL-STD-202 Method 210	Condition B No pre-heat of samples. Note: Single Wave Solder - Procedure 2 for SMD and Procedure 1 for Leaded with solder within 1.5mm of device body.
Thermal Shock	16	MIL-STD-202 Method 107	-40°C/+125°C. Note: Number of cycles required is 300. Maximum transfer time is 20 seconds. Dwell time is 15 minutes. Below 125°C use Condition A for maximum temperature. Air-Air.
ESD	17	AEC-Q200-002 or ISO/DIS 10605	
Solderability	18	J-STD-002	For both Leaded & SMD. Electrical Test not required. Magnification 50X. Conditions: Leaded: Method A @ 235°C, category 3. SMD: a) Method B, 4 hrs @ 155°C dry heat @ 235°C b) Method B @ 215°C category 3. c) Method D category 3 @ 260°C.
Electrical Characterization	19	User Spec.	Parametrically test per lot and sample size requirements, summary to show Min, Max, Mean and Standard deviation at room as well as Min and Max operating temperatures.
Flammability	20	UL-94	V-0 or V-1 Acceptable
Board Flex	21	AEC-Q200-005	60 sec minimum holding time.
Terminal Strength (SMD)	22	AEC-Q200-006	