

Wire Wound Type Common Mode Filter

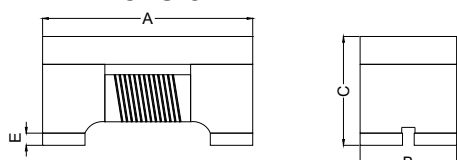
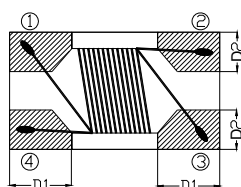
HDMI2012F2SF-SERIES

1. Features

1. High common mode impedance at high frequency effects excellent noise suppression performance.
2. HDMI2012F2SF series realizes small size and low profile. 2.0x1.2x1.2 mm.
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
4. Operating temperature -40~+125°C (Including self - temperature rise)



2. Dimension



Series	A(mm)	B(mm)	C(mm)	D1(mm)	D2(mm)	E(mm)
2012F2SF	2.0±0.2	1.2±0.2	1.2±0.2	0.50±0.1	0.51±0.1	0.15±0.1

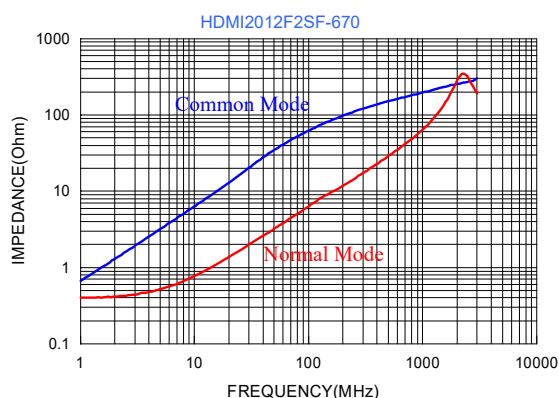
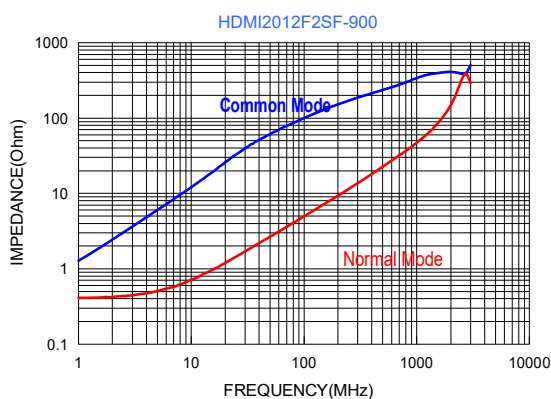
3. Part Numbering

HDMI	2012	F	2	S	F	-	670	T	04
A	B	C	D	E	F		G	H	I

- A: Series
 B: Dimension
 C: Material Ferrite
 D: Number of Lines 2=2 lines
 E: Type S=One Circuit Type, N=Unshielded
 F: Lead free
 G: Impedance 670=67Ω
 H: Packaging T=Taping and Reel, B=Bulk
 I: Rated Current 04=400mA

4. Specification

TAI-TECH Part Number	Common mode Impedance (Ω)		Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA)	Rated Volt. (Vdc)	Withstand Volt. (Vdc)	IR (Ω) min.
HDMI2012F2SF-670T04	67 typ.	50 min.	100	0.30	400	50	125	10M
HDMI2012F2SF-900T04	90 typ.	65 min.	100	0.30	400	50	125	10M



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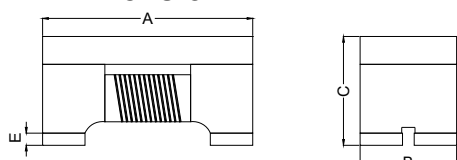
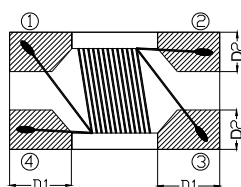
HDMI2012F2SF-900T03-SL

1. Features

1. High common mode impedance at high frequency effects excellent noise suppression performance.
2. HDMI2012F2SF series realizes small size and low profile. 2.0x1.2x1.2 mm.
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
4. Operating temperature -40~+125°C (Including self - temperature rise)



2. Dimension



Series	A(mm)	B(mm)	C(mm)	D1(mm)	D2(mm)	E(mm)
2012F2SF	2.0±0.2	1.2±0.2	1.2±0.2	0.50±0.1	0.51±0.1	0.15±0.1

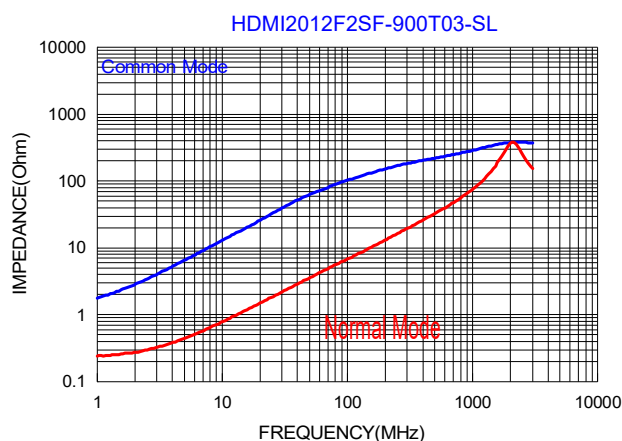
3. Part Numbering

HDMI	2012	F	2	S	F	-	900	T	03	-	SL
A	B	C	D	E	F		G	H	I		J

- A: Series
 B: Dimension
 C: Material Ferrite
 D: Number of Lines 2=2 lines
 E: Type S=One Circuit Type, N=Unshielded
 F: Lead free
 G: Impedance 900=90Ω
 H: Packaging T=Taping and Reel, B=Bulk
 I: Rated Current 03=300mA
 J: Control S/N

4. Specification

TAI-TECH Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA)	Rated Volt. (Vdc)	Withstand Volt. (Vdc)	IR (Ω) min.
HDMI2012F2SF-900T03-SL	90 ±25%	100	0.3	300	50	125	10M



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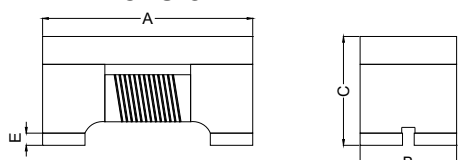
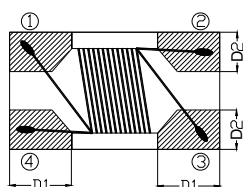
HDMI2012F2SF-900T03-0R5

1. Features

1. High common mode impedance at high frequency cause excellent noise suppression performance.
2. HDMI2012F2SF series realizes small size and low profile. 2.0x1.2x1.2 mm.
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
4. Operating temperature -40~+125℃ (Including self - temperature rise)



2. Dimension



Series	A(mm)	B(mm)	C(mm)	D1(mm)	D2(mm)	E(mm)
2012F2SF	2.0±0.2	1.2±0.2	1.2±0.2	0.50±0.1	0.51±0.1	0.15±0.1

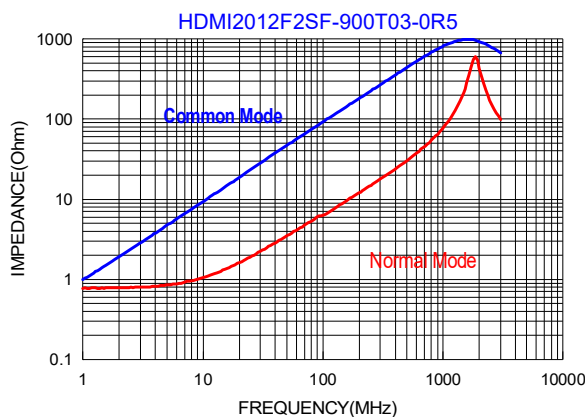
3. Part Numbering

HDMI	2012	F	2	S	F	-	900	T	03	-	0R5
A	B	C	D	E	F		G	H	I		J

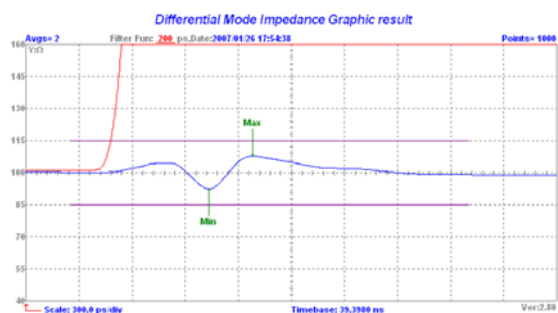
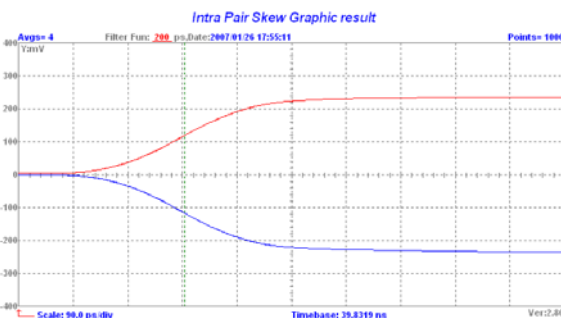
A: Series	
B: Dimension	
C: Material	Ferrite Core
D: Number of Lines	2=2 lines
E: Type	S=Shielded, N=Unshielded
F: Lead free	
G: Impedance	900=90Ω
H: Packaging	T=Taping and Reel
I: Rated Current	03=300mA
J: DC Resistance	0R5=0.5

4. Specification

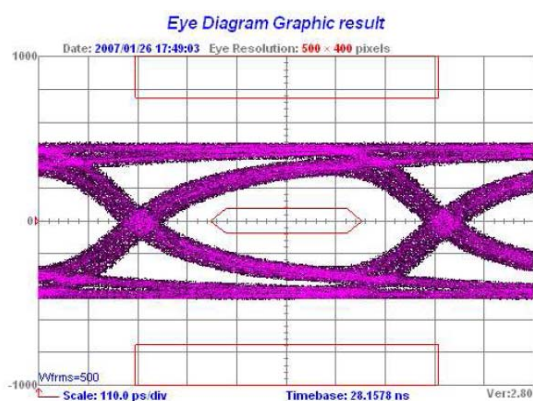
TAI-TECH Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA)	Rated Volt. (Vdc)	Withstand Volt. (Vdc)	IR (Ω) min.
HDMI2012F2SF-900T03-0R5	90±25%	100	0.50	300	50	125	10M



Intra Pair Skew Test



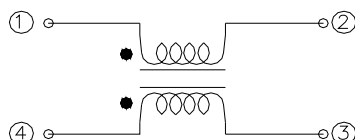
Eye Diagram Graphic Test



Insertion Loss Test



5. Schematic Diagram



6. Recommended PC Board Pattern

	HDMI2012F2S
L	2.60
H	1.40
G1	1.25
G2	0.45

