

Wire Wound Type Common Mode Filter

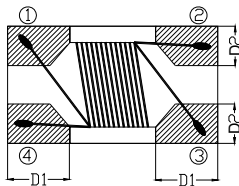
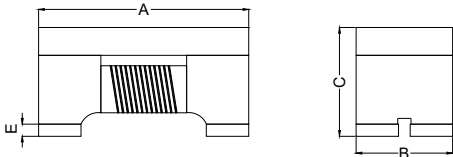
HDMI2012F2SF-SERIES

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

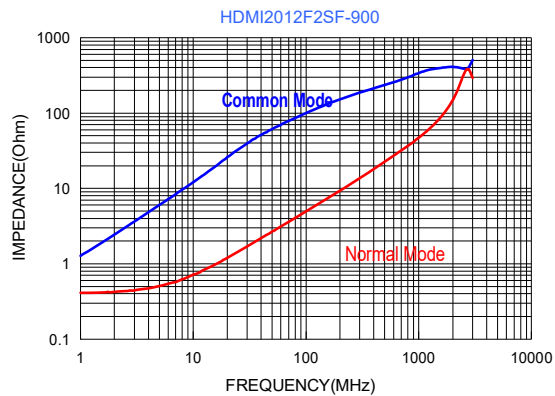
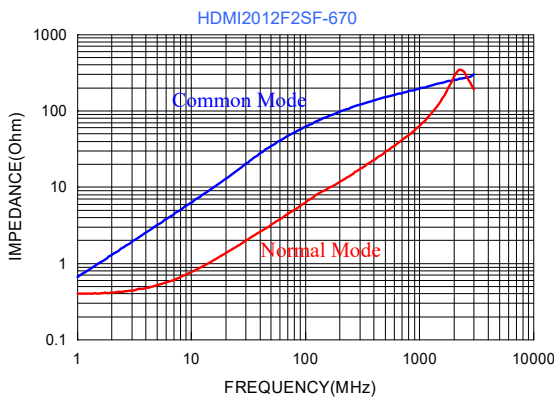
3. Part Numbering



- 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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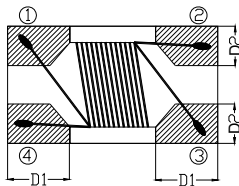
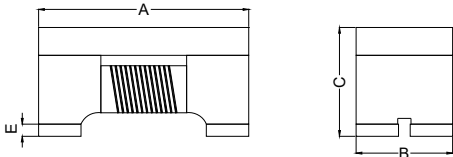
HDMI2012F2SF-900T03-SL

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)

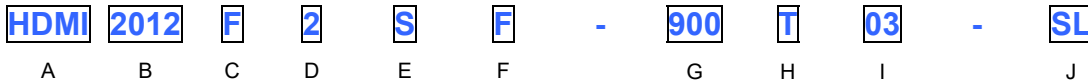


2. Dimension



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

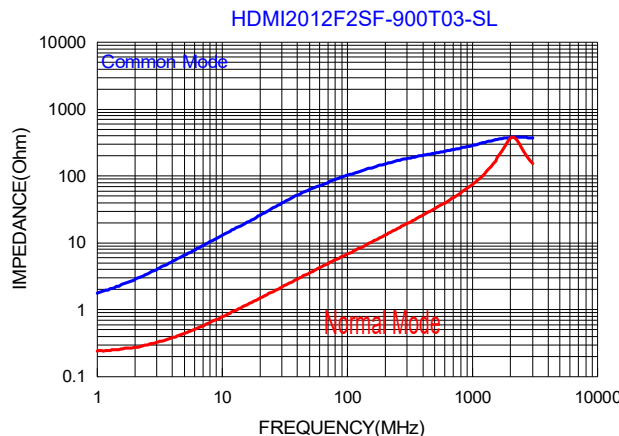
3. Part Numbering



- 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	20	50	10M



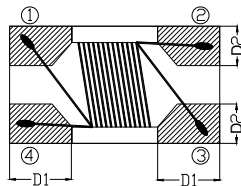
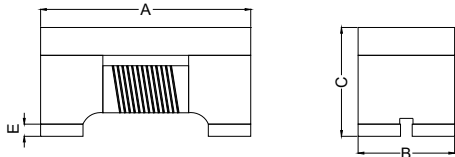
Wire Wound Type Common Mode Filter HDMI2012F2SF-900T03-0R5

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°C (Including self - temperature rise)

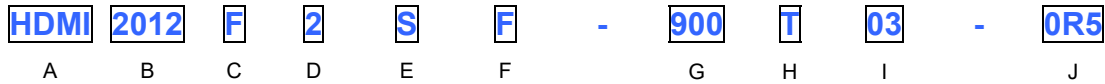


2. Dimension



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

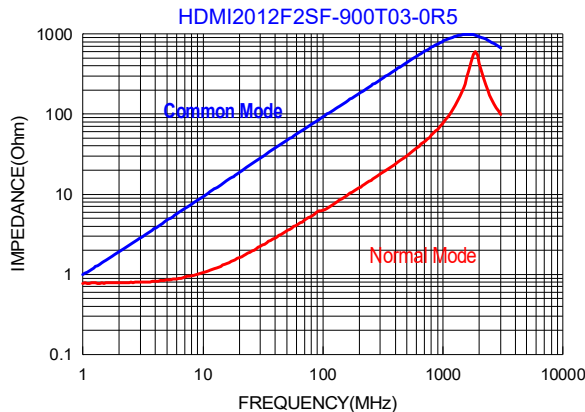
3. Part Numbering



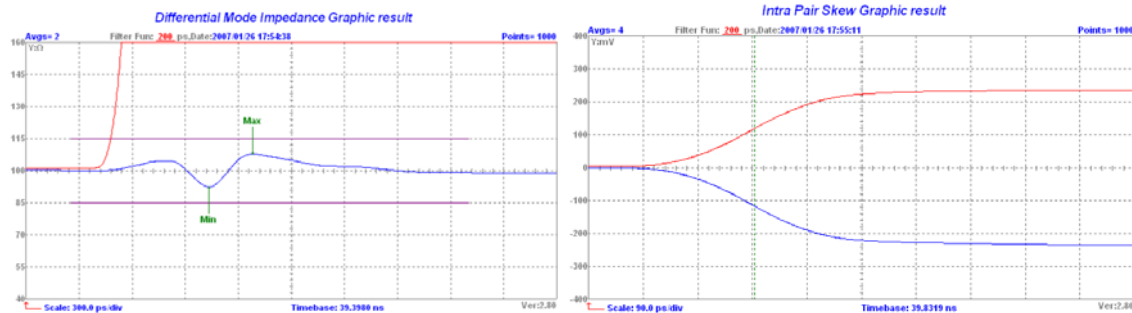
- A: Series
- B: Dimension
- C: Material Ferrite Core
- D: Number of Lines 2=2 lines
- E: Type S=Shielded , N=Unshielded
- F: Lead free
- G: Impedance 900=90Ω
- H: Packaging T=Taping and Reel
- I: Rated Current 03=300mA
- J: DC Resistance 0R5=0.5

4. Specification

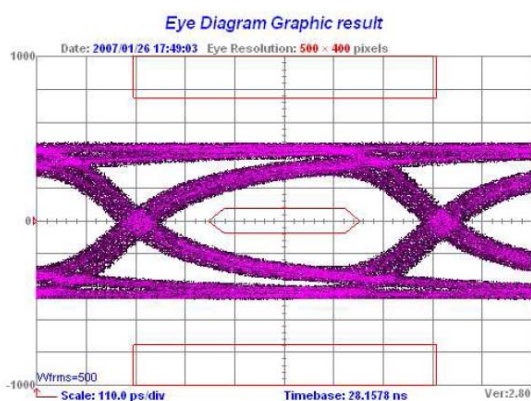
TAI-TECH Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA)	Rated Volt. (Vdc)	Withstand Volt. (Vdc)	IR (Ω) min.
HDMI2012F2SF-900T03-0R5	90±25%	100	0.50	300	50	125	10M



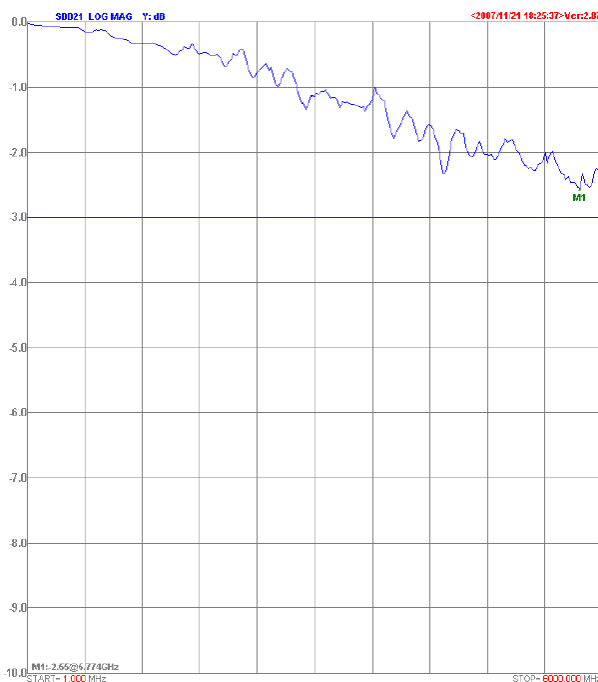
Intra Pair Skew Test



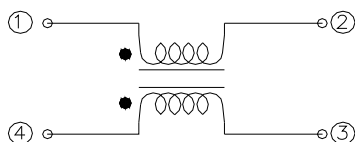
Eye Diagram Graphic Test



Insertion Loss Test



5. Schematic Diagram



6. Recommended PC Board Pattern

HDMI2012F2S	
L	2.60
H	1.40
G1	1.25
G2	0.45

