Wire Wound Type Common Mode Filter HDMI2012F2SO-SERIES

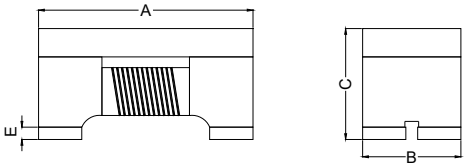
1. Features

1. High common mode impedance at high frequency effects excellent noise suppression performance.
2. HDMI2012F2SO 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).

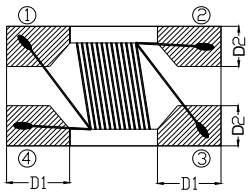
Halogen-free

RoHS

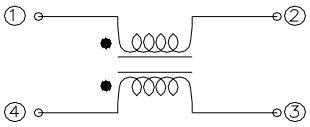
2. Dimension



Series	A(mm)	B(mm)	C(mm)	D1(mm)	D2(mm)	E(mm)
2012F2SO	2.00±0.20	1.20±0.20	1.20±0.20	0.50±0.10	0.51±0.10	0.15±0.10



Bottom View



Schematic Diagram

3. Part Numbering

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

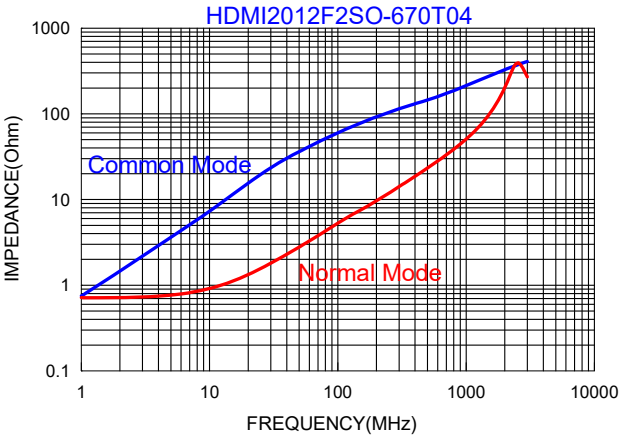
A: Series
B: Dimension
C: Material Ferrite
D: Number of Lines 2=2 lines
E: Type S=One Circuit Type, N=Unshielded
F: Category Code Industrial Grade
G: Impedance 670=67Ω
H: Packaging T=Taping and Reel, B=Bulk
I : Rated Current 04=400mA

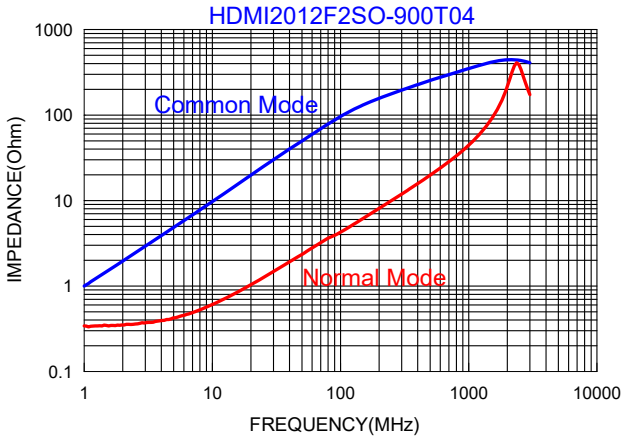
4. Specification

TAI-TECH Part Number	Common mode Impedance (Ω)		Test Frequency (MHz)	DCR (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc) max.	Withstand Volt. (Vdc) max.	Insulation Resistance (Ω) min.
HDMI2012F2SO-670T04	67 typ.	50 min.	100	0.30	400	50	125	10M
HDMI2012F2SO-900T04	90 typ.	65 min.	100	0.30	400	50	125	10M

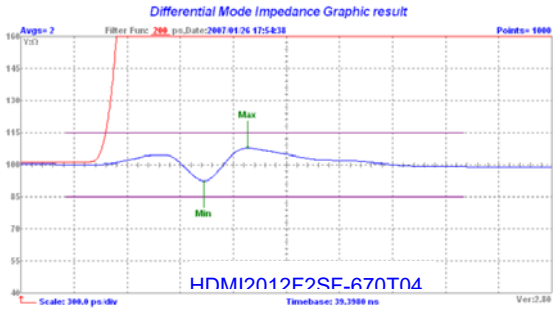
Note:

- All test data referenced to 25℃ ambient.

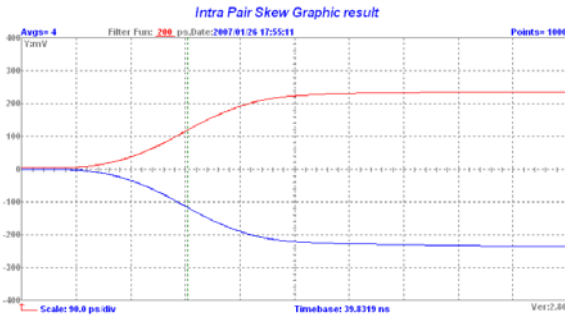




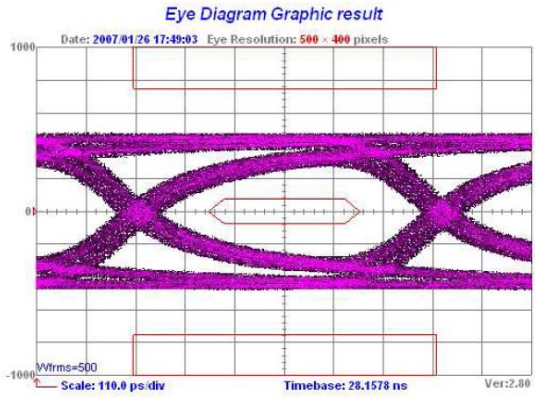
TDR TEST



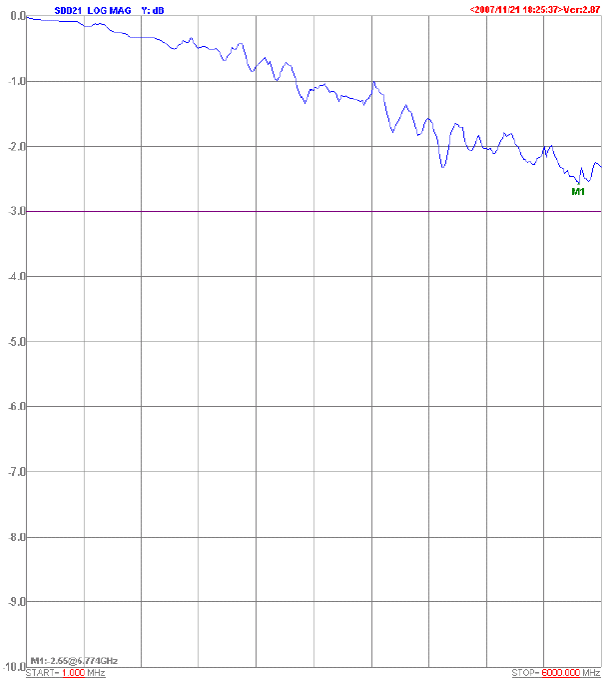
Intra Pair Skew Test



Eye Digram Graphic Test



Insertion Loss Test



5. Recommended PC Board Pattern

	HDMI2012F2S
L(mm)	2.60
H(mm)	1.40
G1(mm	1.25
G2(mm	0.45

