

Wire Wound Type Common Mode Filter

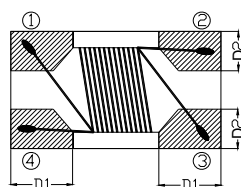
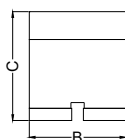
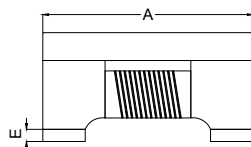
WCM2012F2SF-SERIES-G

1. Features

1. High common mode impedance at high frequency cause excellent noise suppression performance.
2. WCM2012F2SF 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)
5. FOR LAN Module application / Compatible with 1G, 2.5/5G Base-T.



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

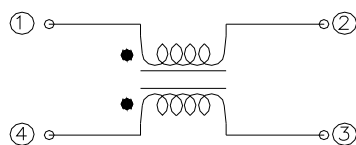
WCM	2012	F	2	S	F	-	900	T	04	-	G
A	B	C	D	E	F		G	H	I		J

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	04=400mA
J: Control S/N	

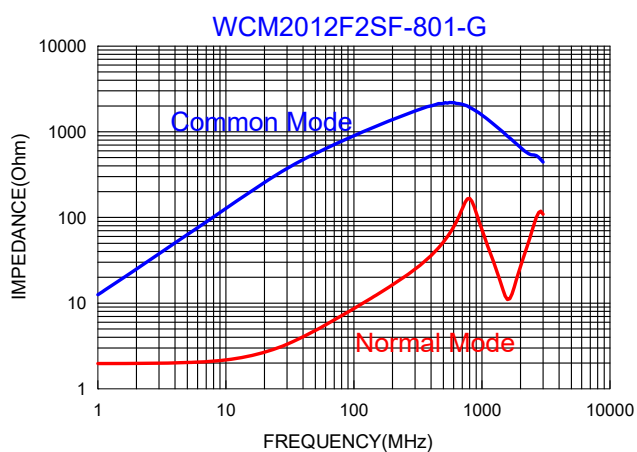
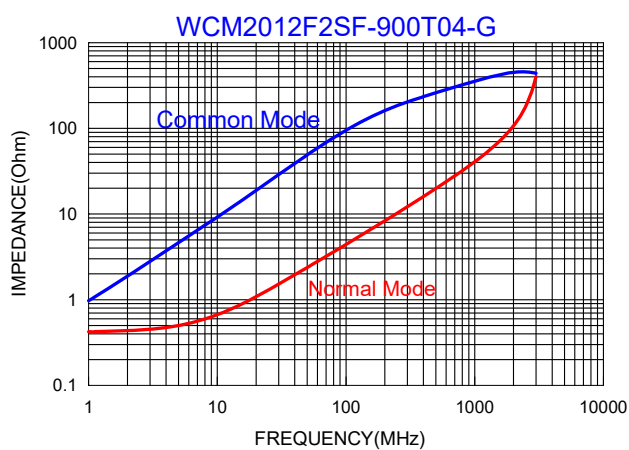
4. Specification

TAI-TECH Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	Insertion Loss 1~250MHz	DC Resistance (Ω) max.	Rated Current (mA)max.	Rated Volt. (Vdc)max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
WCM2012F2SF-900T04-G	90±25%	100	-0.3dB typ. -0.5dB min.	0.30	400	50	125	10M
WCM2012F2SF-801-G	800±25%	100	-0.4dB typ. -0.6dB min.	0.88	300	50	125	10M

5. Schematic Diagram

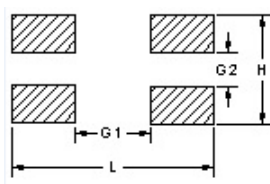


Typical Impedance v.s. Frequency Curve

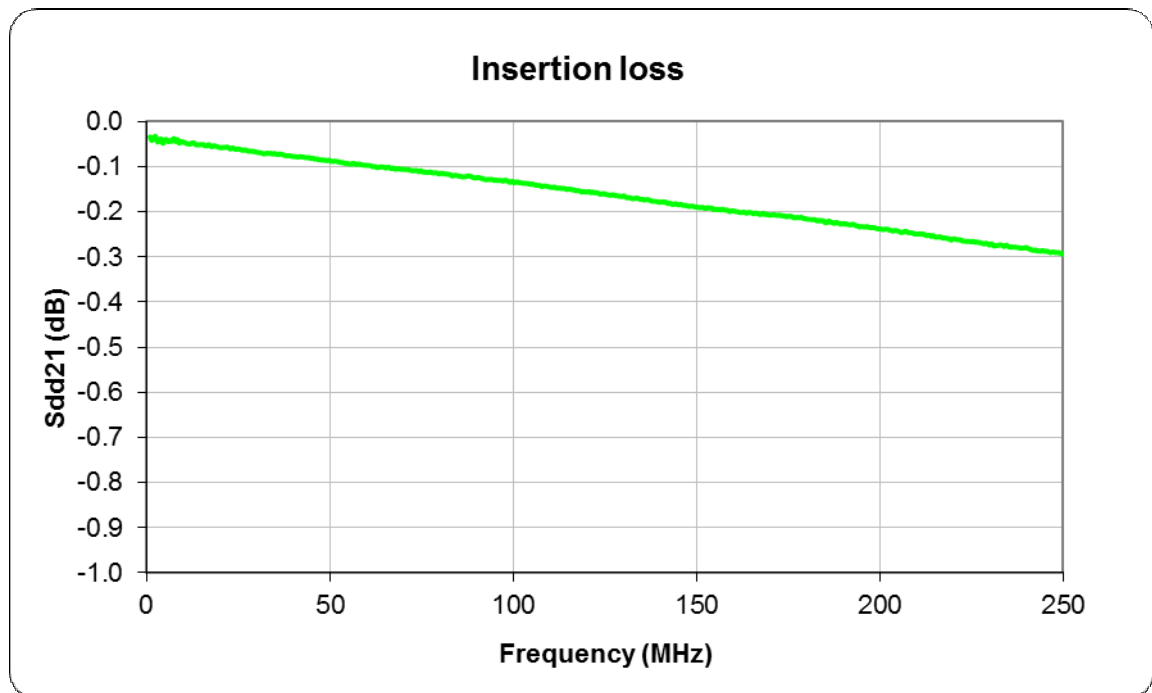


6. Recommended PC Board Pattern

	WCM2012F2S
L(mm)	2.60
H(mm)	1.40
G1(mm)	1.25
G2(mm)	0.45



WCM2012F2SF-900T04-G



WCM2012F2SF-801-G

