Wire Wound Type Common Mode Filter

WCM2012F2SO-SERIES

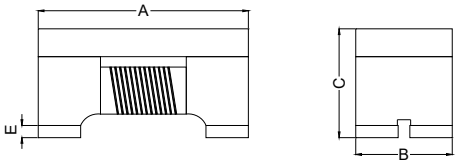
1. Features

1. High common mode impedance at high frequency cause excellent noise suppression performance.
2. WCM2012F2SO 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).

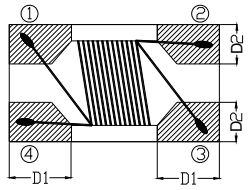
Halogen-free

RoHS

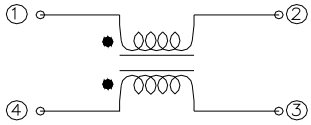
2. Dimension



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

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

A: Series
B: Dimension
C: Material — Ferrite Core
D: Number of Lines — 2=2 lines
E: Type — S=Shielded, N=Unshielded
F: Category Code — Industrial Grade
G: Impedance — 900=90Ω
H: Packaging — T=Taping and Reel
I : Rated Current — 04=400mA

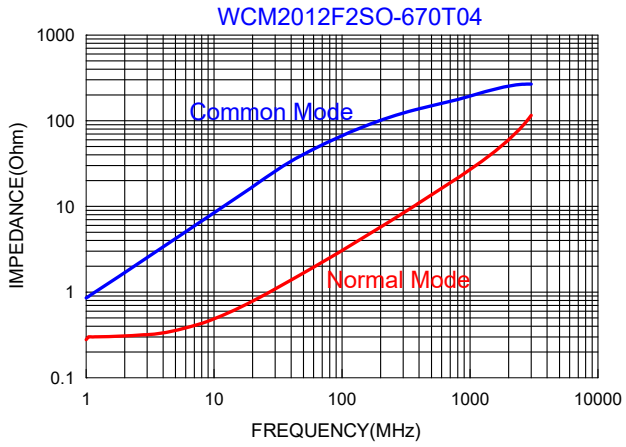
4. Specification

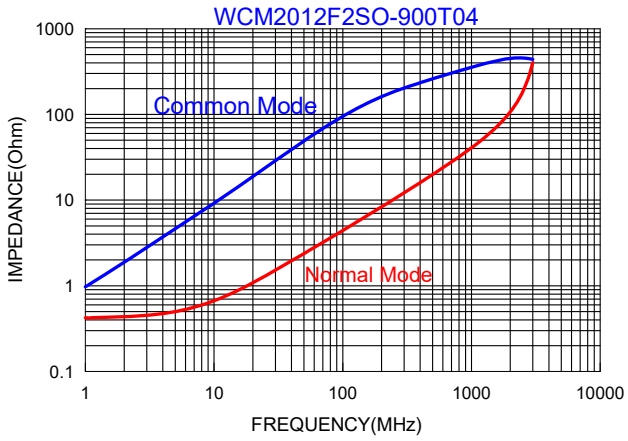
TAI-TECH Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DCR (Ω) max.	Rated Current (mA)max.	Rated Volt. (Vdc)max.	Withstand Volt. (Vdc) max.	Insulation Resistance (Ω) min.
WCM2012F2SO-670T04	67±25%	100	0.25	400	50	125	10M
WCM2012F2SO-900T04	90±25%	100	0.30	400	50	125	10M
WCM2012F2SO-121T04	120±25%	100	0.30	400	50	125	10M
WCM2012F2SO-161T03	160±25%	100	0.35	350	50	125	10M
WCM2012F2SO-181T03	180±25%	100	0.35	350	50	125	10M
WCM2012F2SO-201T03	200±25%	100	0.40	300	50	125	10M
WCM2012F2SO-221T03	220±25%	100	0.40	300	50	125	10M
WCM2012F2SO-261T03	260±25%	100	0.40	300	50	125	10M
WCM2012F2SO-361T03	360±25%	100	0.50	300	50	125	10M

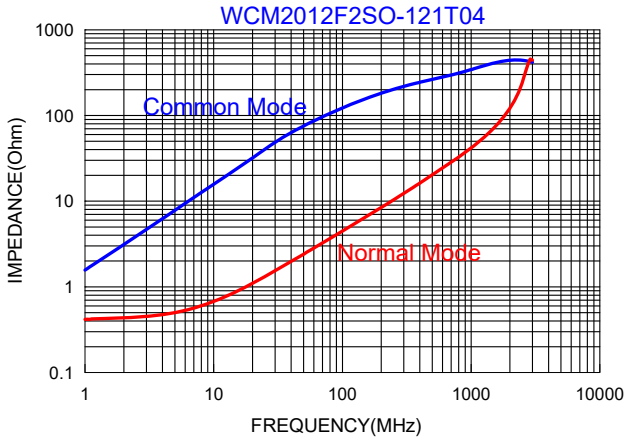
Note:

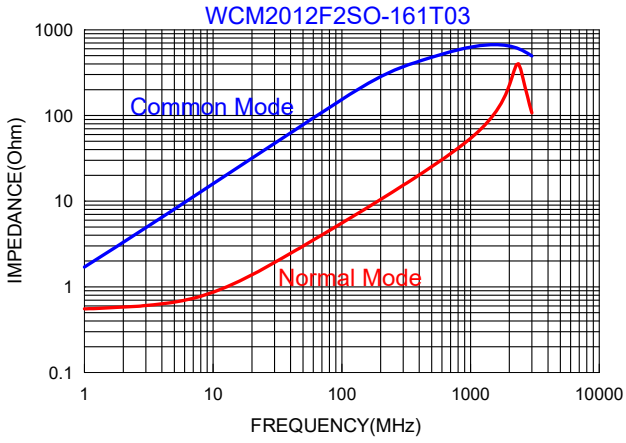
- All test data referenced to 25℃ ambient.

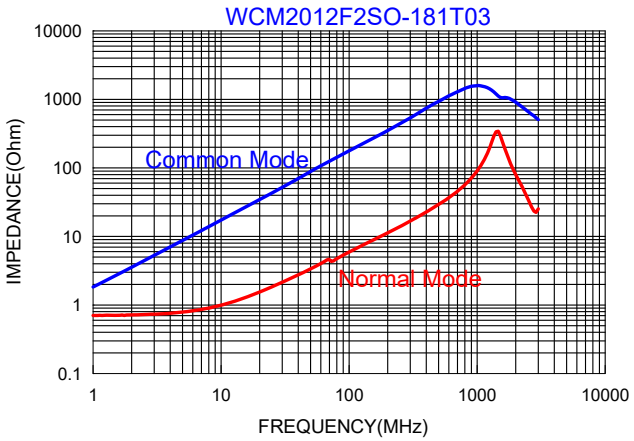
Typical Impedance v.s. Frequency Curve

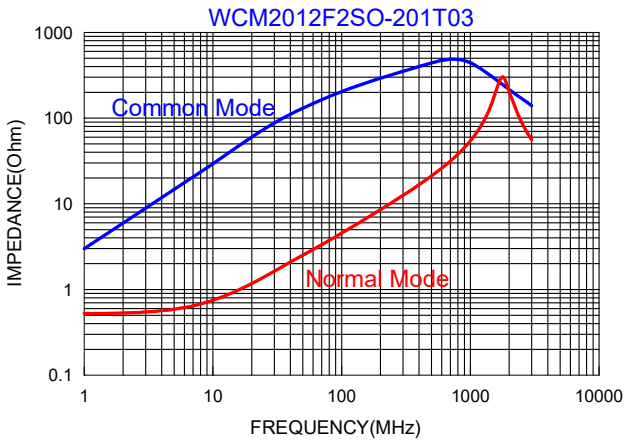


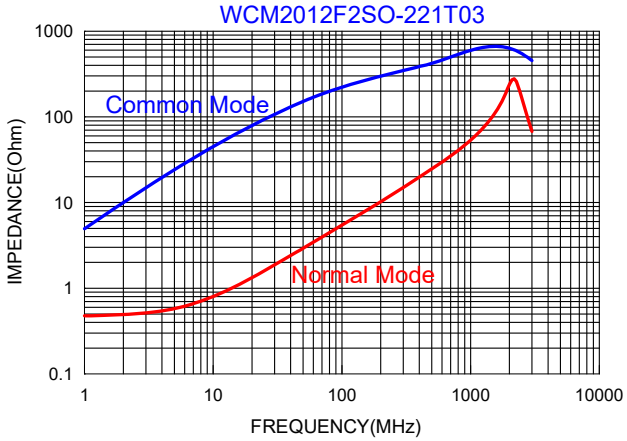


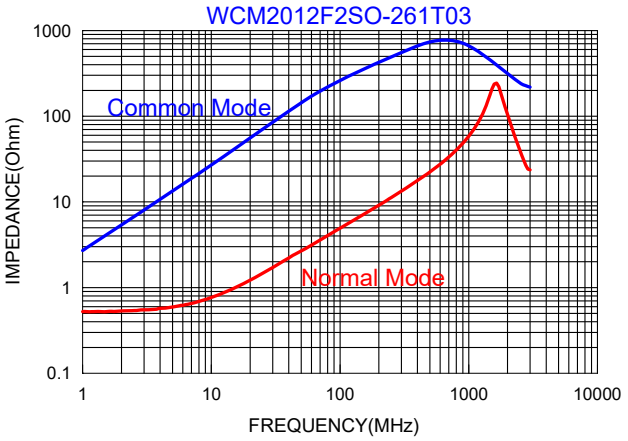


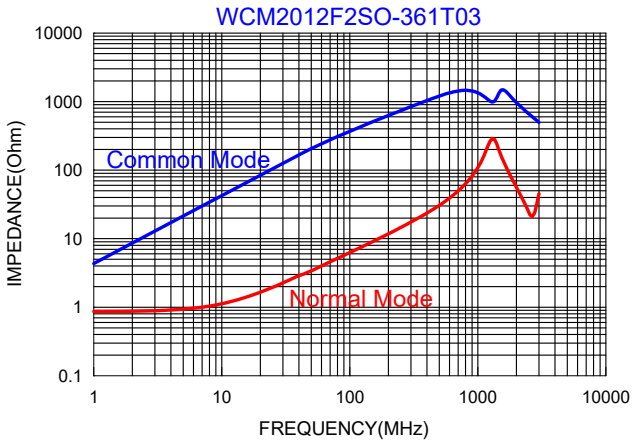












5. Recommended PC Board Pattern

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

