

Wire Wound Type Common Mode Filter

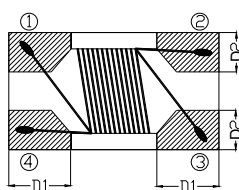
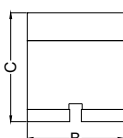
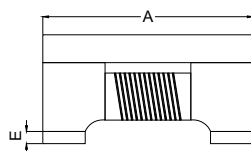
WCM2012F2SF-SERIES

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)



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
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: Lead free
 G: Impedance 900=90Ω
 H: Packaging T=Taping and Reel
 I: Rated Current 04=400mA

WCM	2012	F	2	S	F	-	801	-	N
A	B	C	D	E	F		G		H

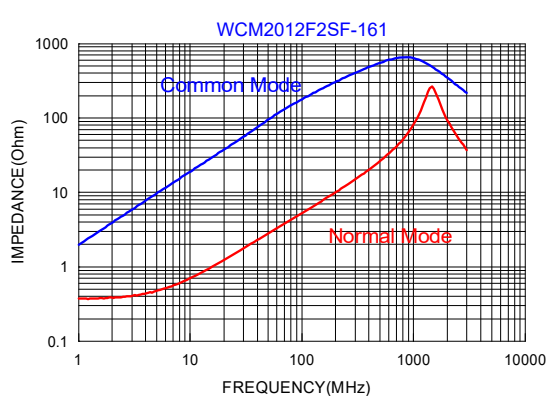
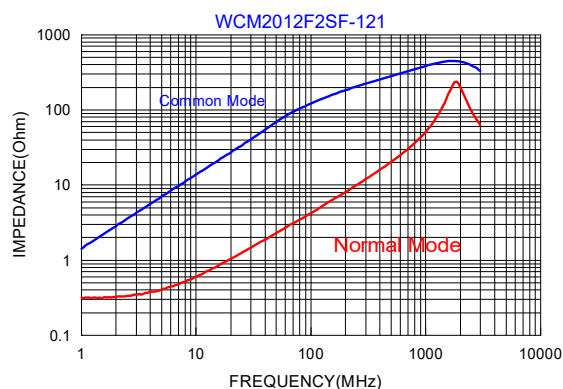
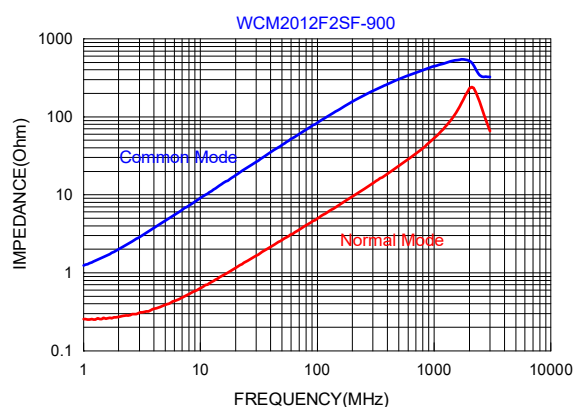
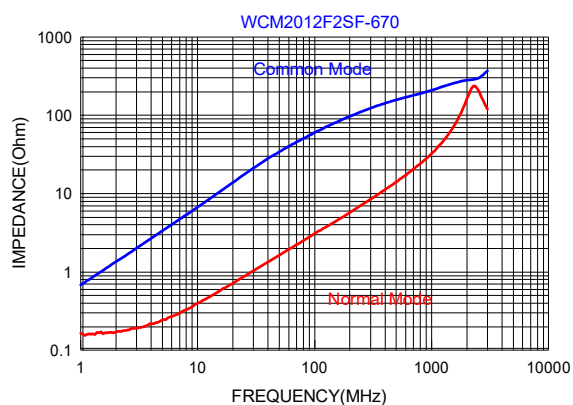
- A: Series
 B: Dimension
 C: Material Ferrite Core
 D: Number of Lines 2=2 lines
 E: Type S=Shielded , N=Unshielded
 F: Lead free
 G: Impedance 801=800Ω
 H: Category Code N=DR-N45 材&SP-N45 材

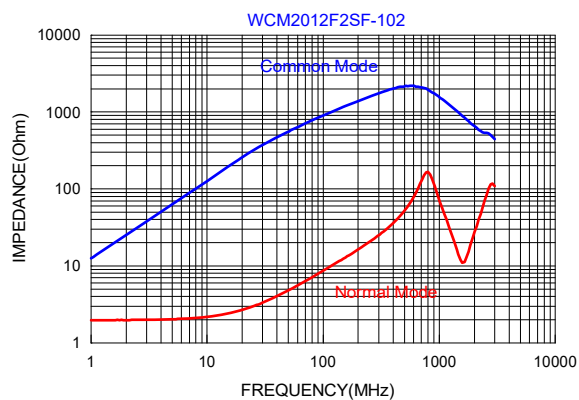
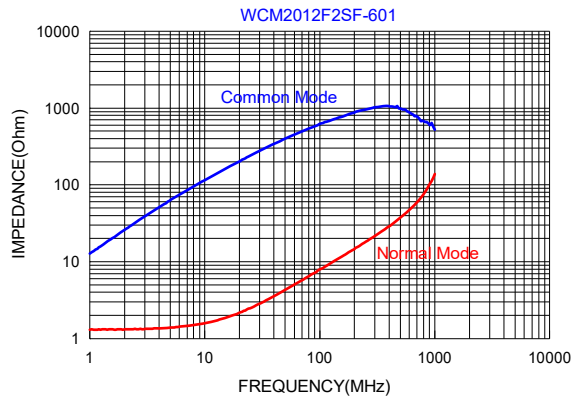
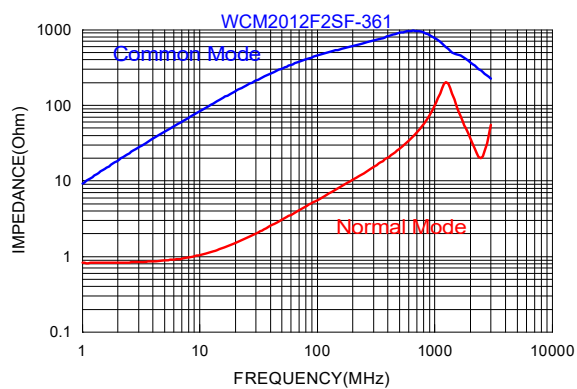
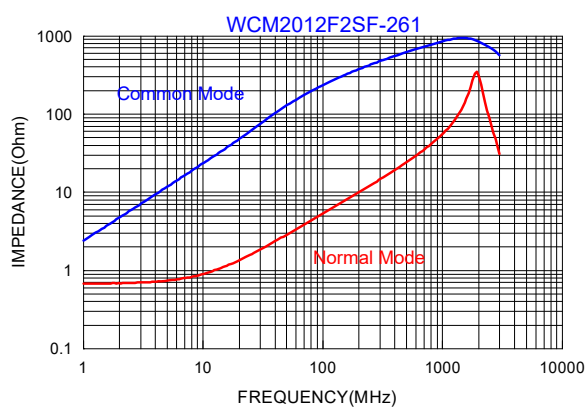
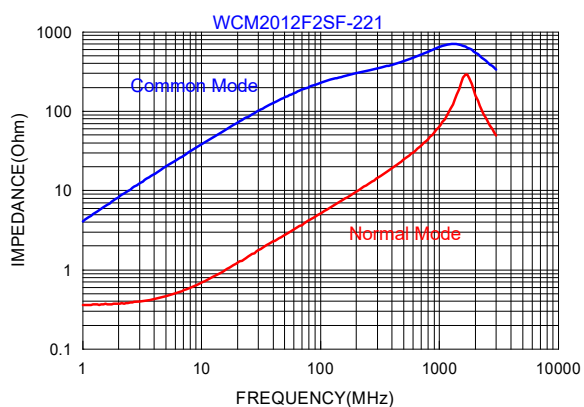
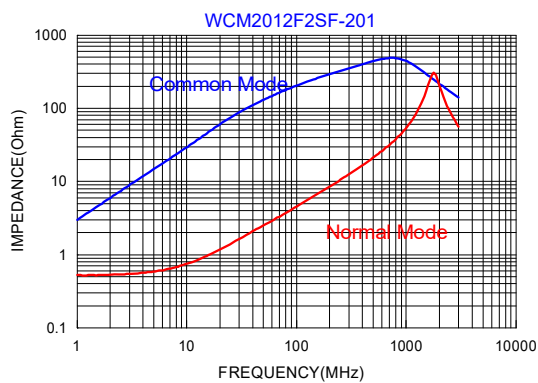
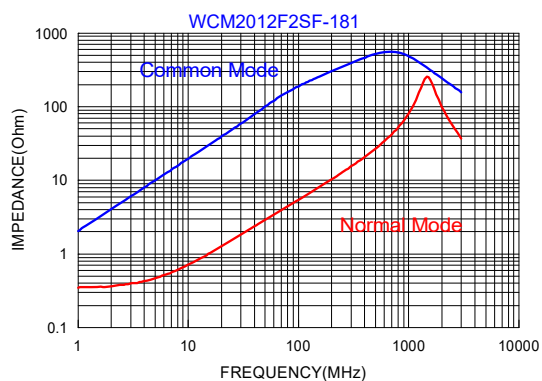
4. Specification

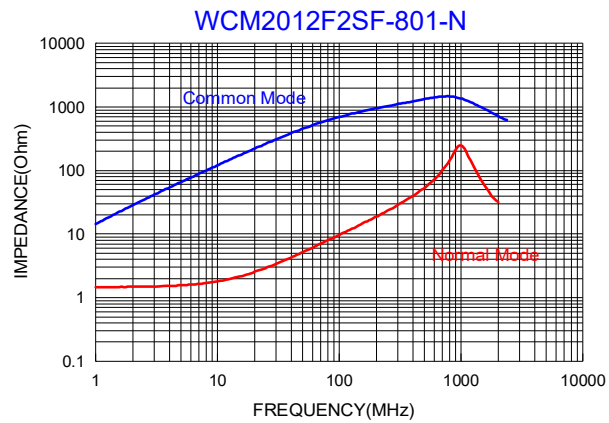
TAI-TECH Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA)max.	Rated Volt. (Vdc)max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
WCM2012F2SF-670T04	67 $\pm$ 25%	100	0.25	400	50	125	10M
WCM2012F2SF-900T04	90 $\pm$ 25%	100	0.30	400	50	125	10M
WCM2012F2SF-121T04	120 $\pm$ 25%	100	0.30	400	50	125	10M
WCM2012F2SF-161T03	160 $\pm$ 25%	100	0.35	350	50	125	10M
WCM2012F2SF-181T03	180 $\pm$ 25%	100	0.35	350	50	125	10M
WCM2012F2SF-201T03	200 $\pm$ 25%	100	0.40	300	50	125	10M
WCM2012F2SF-221T03	220 $\pm$ 25%	100	0.40	300	50	125	10M
WCM2012F2SF-261T03	260 $\pm$ 25%	100	0.40	300	50	125	10M
WCM2012F2SF-361T03	360 $\pm$ 25%	100	0.50	300	50	125	10M
WCM2012F2SF-601T03	600 $\pm$ 25%	100	0.88	300	50	125	10M
WCM2012F2SF-102T01	1000 $\pm$ 25%	100	1.30	100	50	125	10M

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WCM2012F2SF-801-N	800 $\pm$ 25%	100	0.88	300	50	125	10M

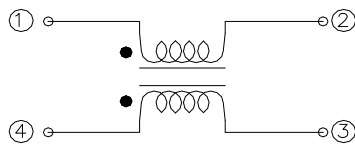
Typical Impedance v.s. Frequency Curve







5. Schematic Diagram



6. Recommended PC Board Pattern

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

