Wire Wound Type Common Mode Filter WCM4532F2SO-SERIES-HI

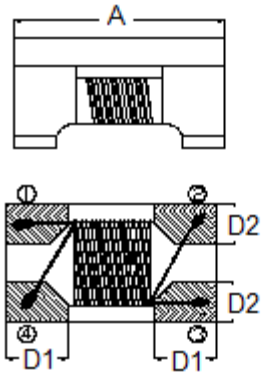
1. Features

1. High common mode impedance at high frequency cause excellent noise suppression performance.
2. WCM4532F2SO series realizes small size and low profile. 4.5x3.2x2.8 mm.
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
4. Operating temperature -40~+125℃(Including self - temperature rise).

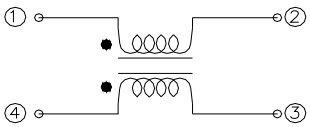
Halogen-free

RoHS

2. Dimension

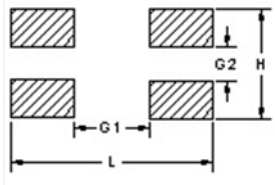


Bottom View



Schematic Diagram

Recommended PC Board Pattern



Series	A(mm)	B(mm)	C(mm)	D1(mm)	D2(mm)	L(mm)	H(mm)	G1(mm)	G2(mm)
4532F2SO	4.50±0.20	3.20±0.20	2.80±0.20	0.90±0.15	1.05±0.15	5.00	3.60	3.00	1.20

Units: mm

3. Part Numbering

WCM	4532	F	2	S	O	-	142	T	20	-	HI
A	B	C	D	E	F		G	H	I		J

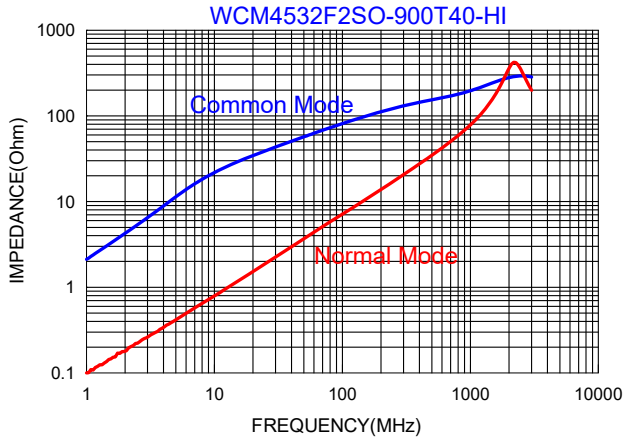
A: Series
B: Dimension
C: Material Ferrite Core
D: Number of Lines 2=2 lines
E: Type S=Shielded, N=Unshielded
F: Category Code Industrial Grade
G: Impedance 142=1400Ω
H: Packaging T=Taping and Reel
I : Rated Current 20=2000mA
J: Control S/N

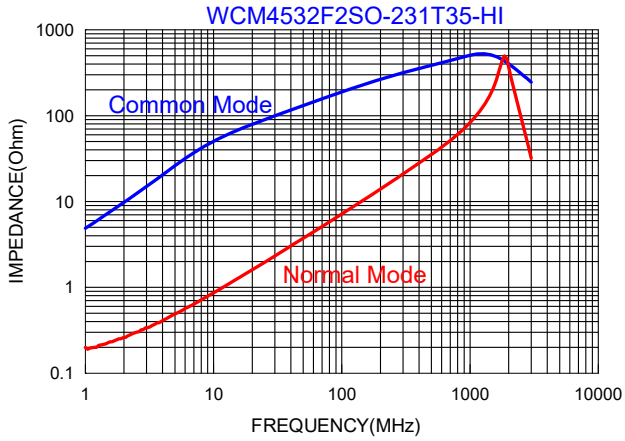
4. Specification

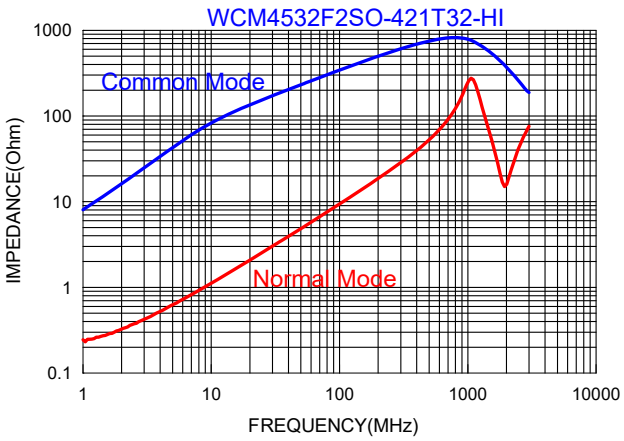
TAI-TECH Part Number	Common mode Impedance (Ω)		Test Frequency (MHz)	DCR (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc) max.	Withstand Volt. (Vdc) max.	Insulation Resistance (Ω) min.
WCM4532F2SO-900T40-HI	68 min	90 typ.	100	0.050	4000	50	125	10M
WCM4532F2SO-231T35-HI	173 min	230 typ.	100	0.050	3500	50	125	10M
WCM4532F2SO-421T32-HI	300 min	420 typ.	100	0.055	3200	50	125	10M
WCM4532F2SO-601T25-HI	450 min	600 typ.	100	0.060	2500	50	125	10M
WCM4532F2SO-901T23-HI	650 min	900 typ.	100	0.070	2300	50	125	10M
WCM4532F2SO-142T20-HI	1000 min.	1400 typ.	100	0.100	2000	50	125	10M
WCM4532F2SO-282T09-HI	2100 min	2800 typ.	100	0.350	900	50	125	10M

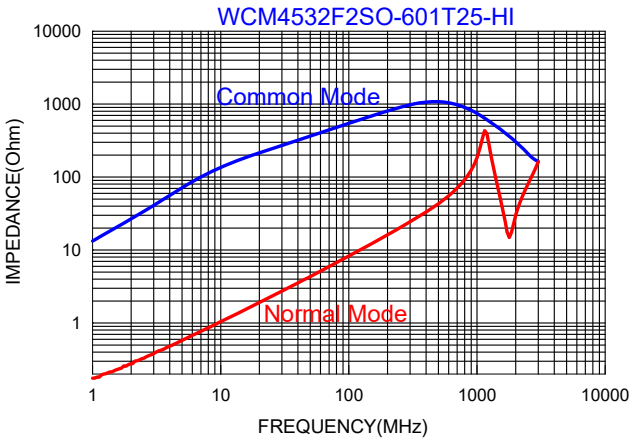
Note:

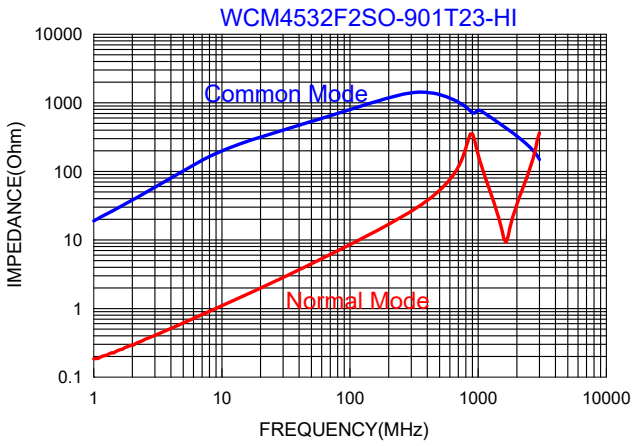
- When current is applied , the temperature of the part should not exceed 125℃
- All test data referenced to 25℃ ambient.

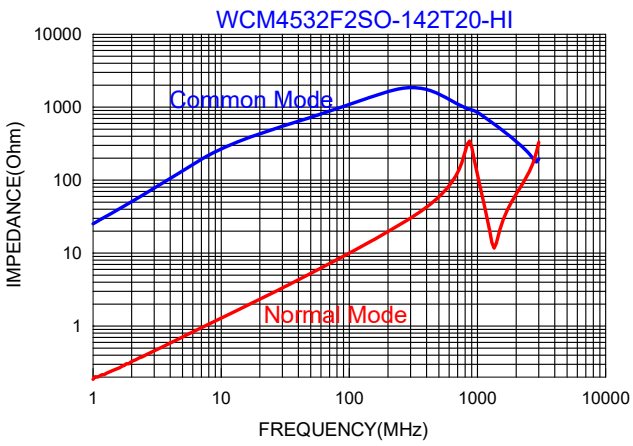


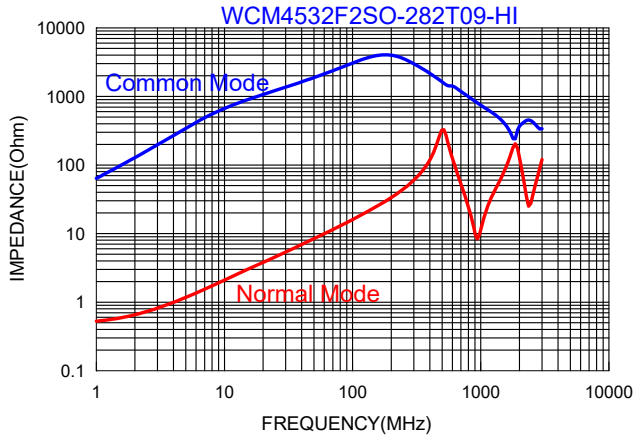







WCM4532F2SO-901T23-HI
Common Mode
Normal Mode
IMPEDANCE(Ohm)
FREQUENCY(MHz)
10000
1000
100
10
1
0.1
1
10
100
1000
10000


WCM4532F2SO-142T20-HI
Common Mode
Normal Mode
IMPEDANCE(Ohm)
FREQUENCY(MHz)
10000
1000
100
10
1
1
10
100
1000
10000


WCM4532F2SO-282T09-HI
Common Mode
Normal Mode
IMPEDANCE(Ohm)
FREQUENCY(MHz)
10000
1000
100
10
1
0.1
1
10
100
1000
10000