Wire Wound Type Common Mode Filter WCM3225F2SO-SERIES

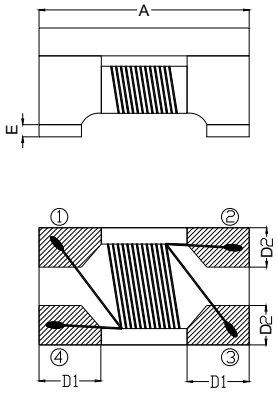
1. Features

1. High common mode impedance at high frequency cause excellent noise suppression performance.
2. WCM3225F2SO series realizes small size and low profile. 3.2x2.5x2.2 mm.
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
4. Operating temperature-40~+125℃(Including self - temperature rise).

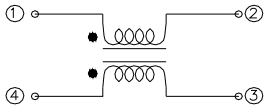
Halogen-free

RoHS

2. Dimension

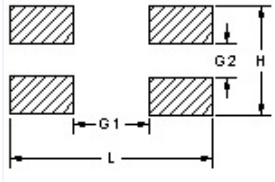


Bottom View



Schematic Diagram

Recommended PC Board Pattern



Series	A(mm)	B(mm)	C(mm)	D1(mm)	D2(mm)	E(mm)	G1(mm)	G2(mm)	H(mm)	L(mm)
3225F2SO	3.20±0.20	2.50±0.20	2.20±0.20	0.80±0.10	0.90±0.10	0.15±0.10	1.60	0.60	3.50	4.40

Units: mm

3. Part Numbering

WCM	3225	F	2	S	O	-	102	T	04
A	B	C	D	E	F		G	H	I

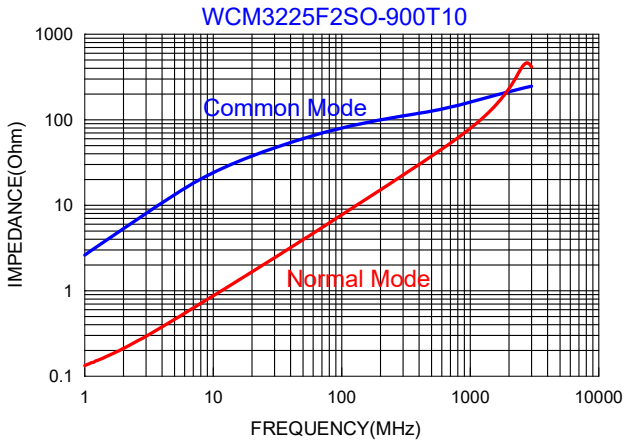
A: Series
B: Dimension
C: Material — Ferrite Core
D: Number of Lines — 2=2 lines
E: Type — S=Shielded, N=Unshielded
F: Category Code — Industrial Grade
G: Impedance — 102=1000Ω
H: Packaging — T=Taping and Reel
I : Rated Current — 04=400mA

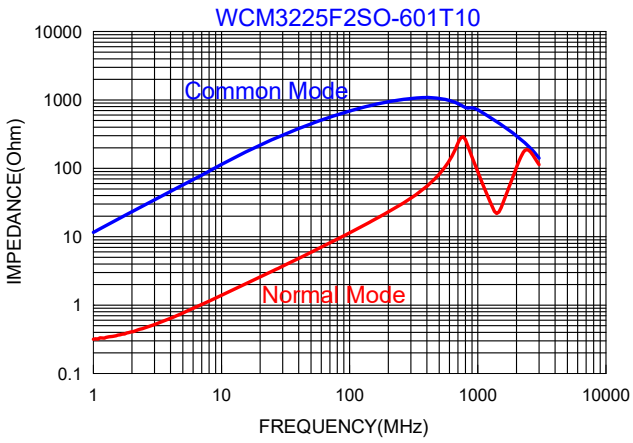
4. Specification

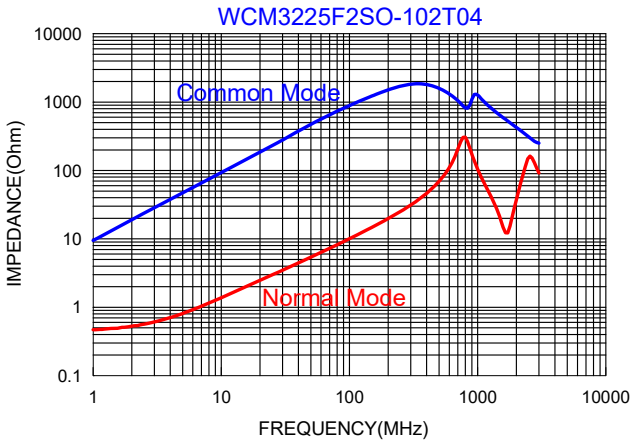
TAI-TECH Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DCR (Ω) max.	Rated Current (mA)max.	Rated Volt. (Vdc)max.	Withstand Volt. (Vdc) max.	Insulation Resistance (Ω) min.
WCM3225F2SO-900T10	90±25%	100	0.050	1000	50	125	10M
WCM3225F2SO-601T10	600±25%	100	0.20	1000	50	125	10M
WCM3225F2SO-102T04	1000±25%	100	0.30	400	50	125	10M

Note:

- All test data referenced to 25℃ ambient.


WCM3225F2SO-900T10
IMPEDANCE(Ohm)
1000
100
10
1
0.1
Common Mode
Normal Mode
1
10
100
1000
10000
FREQUENCY(MHz)


WCM3225F2SO-601T10
IMPEDANCE(Ohm)
10000
1000
100
10
1
0.1
Common Mode
Normal Mode
1
10
100
1000
10000
FREQUENCY(MHz)


WCM3225F2SO-102T04
IMPEDANCE(Ohm)
10000
1000
100
10
1
0.1
Common Mode
Normal Mode
1
10
100
1000
10000
FREQUENCY(MHz)