Wire Wound Type Common Mode Filter

WCM3216F2SO-SERIES

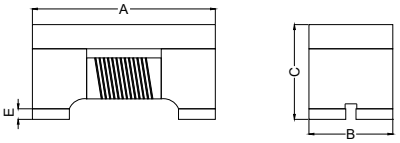
1. Features

1. High common mode impedance at high frequency cause excellent noise suppression performance.
2. WCM3216F2SO series realizes small size and low profile. 3.2x1.6x2.0 mm.
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
4. Operating temperature-40~+125℃ (Including self - temperature rise).

Halogen-free

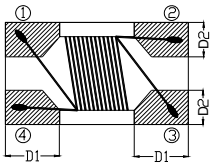
RoHS

2. Dimension

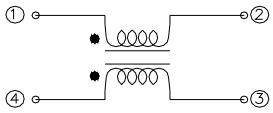


Series	A(mm)	B(mm)	C(mm)	D1(mm)	D2(mm)	E(mm)
3216F2SO	3.20±0.20	1.60±0.20	2.00±0.20	0.60±0.10	0.60±0.10	0.15±0.10

Units: mm



Bottom View



Schematic Diagram

3. Part Numbering

WCM	3216	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

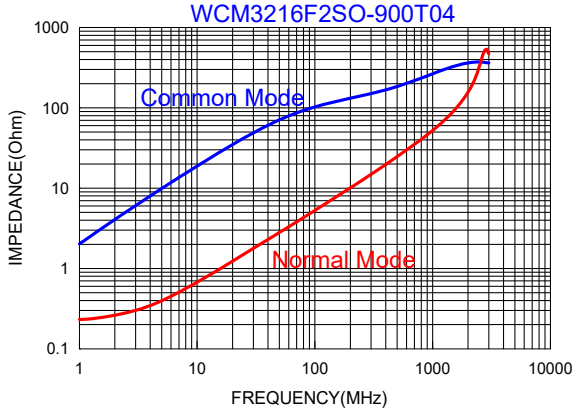
TAI-TECH Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DCR (Ω) max.	Rated Current (mA)max.	Rated Volt. (Vdc)max.	Withstand Volt. (Vdc) Max.	Insulation Resistance (Ω) min.
WCM3216F2SO-900T04	90±25%	100	0.30	400	50	125	10M
WCM3216F2SO-121T03	120±25%	100	0.30	350	50	125	10M
WCM3216F2SO-161T03	160±25%	100	0.40	350	50	125	10M
WCM3216F2SO-221T03	220±25%	100	0.45	300	50	125	10M
WCM3216F2SO-261T03	260±25%	100	0.50	300	50	125	10M
WCM3216F2SO-361T03	360±25%	100	0.60	300	50	125	10M
WCM3216F2SO-601T03	600±25%	100	0.80	300	50	125	10M
WCM3216F2SO-102T02	1000±25%	100	1.00	200	50	125	10M
WCM3216F2SO-222T02	2200±25%	100	1.20	200	50	125	10M

Note:

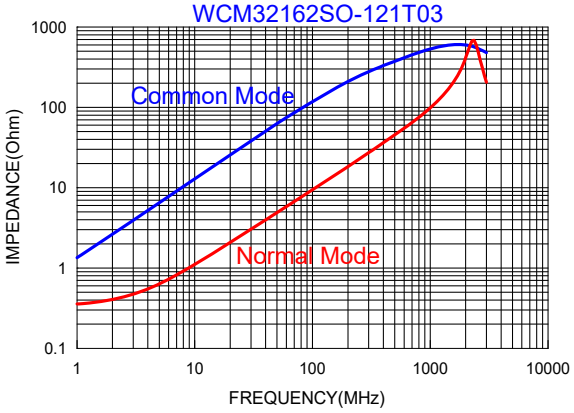
- All test data referenced to 25℃ ambient.

Typical Impedance v.s. Frequency Curve

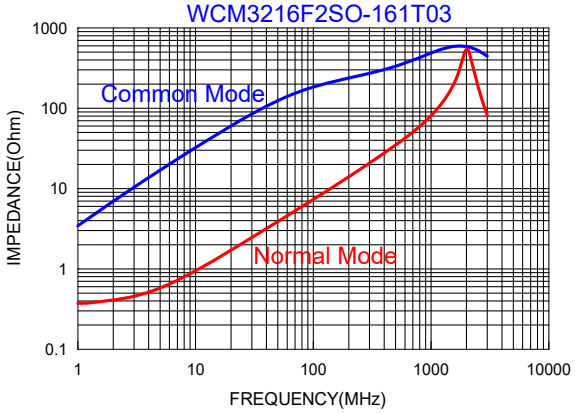
WCM3216F2SO-900T04



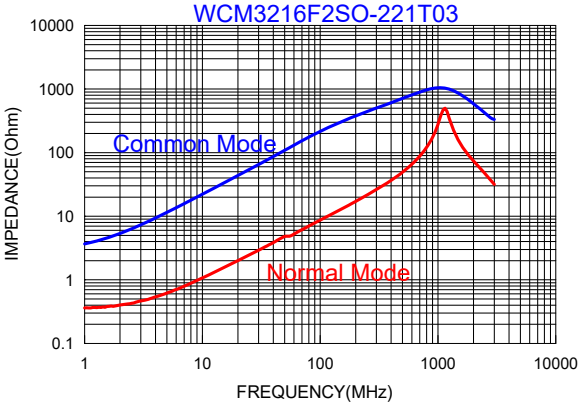
WCM32162SO-121T03



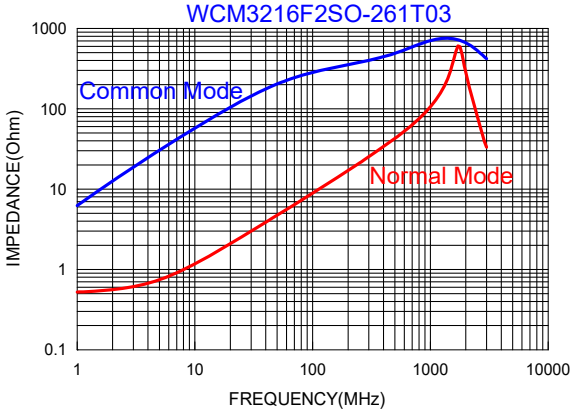
WCM3216F2SO-161T03



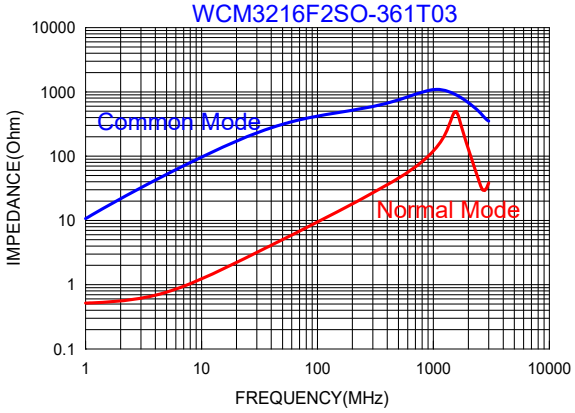
WCM3216F2SO-221T03



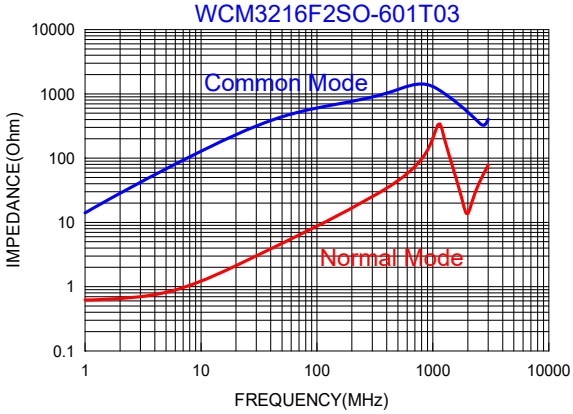
WCM3216F2SO-261T03



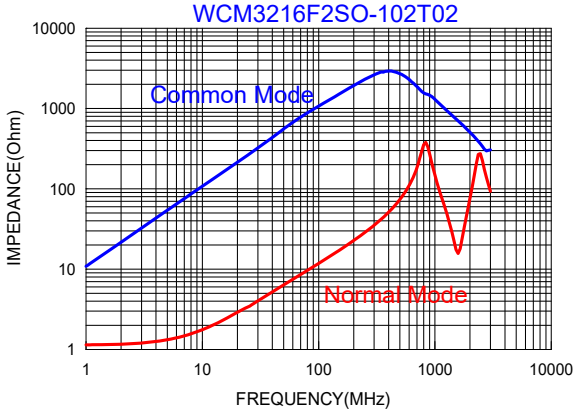
WCM3216F2SO-361T03

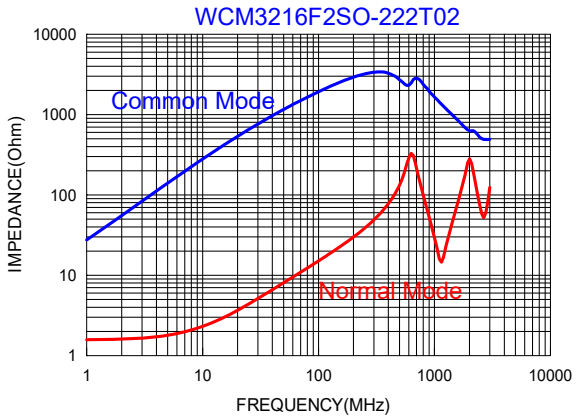


WCM3216F2SO-601T03



WCM3216F2SO-102T02





5. Recommended PC Board Pattern

	WCM3216F2S
L(mm)	3.70
H(mm)	1.60
G1(mm	1.90
G2(mm	0.40

