Wire Wound Power Common Mode Filter WCM1513FASO-SERIES-LM

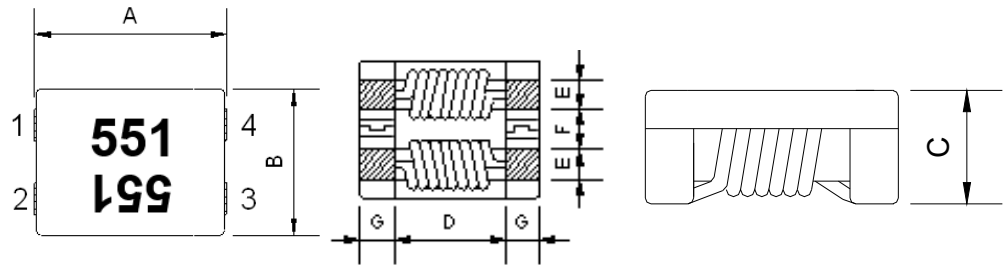
1. Features

1. Use recommended PCB footprint and stencil designs to minimize assembly risks.
2. Operating temperature-40~+125℃ (Including self - temperature rise).

Halogen-free

RoHS

2. Dimension



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)
WCM1513	15.0±0.5	13.0±0.4	6.0 max.	9.3 Typ.	2.7±0.5	3.6±0.5	2.8±0.5

Unit: mm

3. Part Numbering

WCM	1513	F	A	S	O	-	551	-	LM
A	B	C	D	E	F		G		H

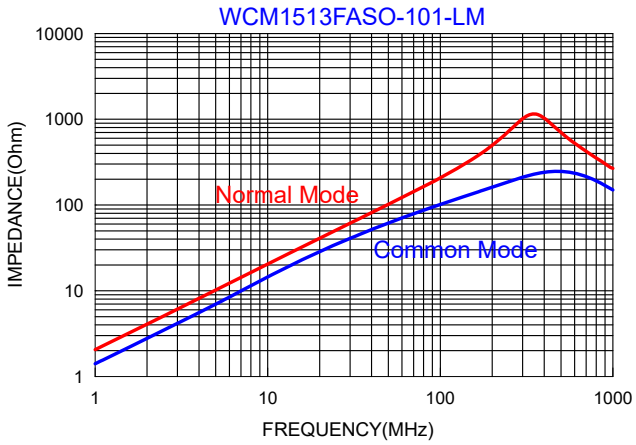
A: Series
B: Dimension
C: Material Ferrite Core
D: Process Assembled
E: Type S=Shielded, N=Unshielded
F: Category Code Industrial Grade
G: Impedance 551=550Ω
H: Laser Marking

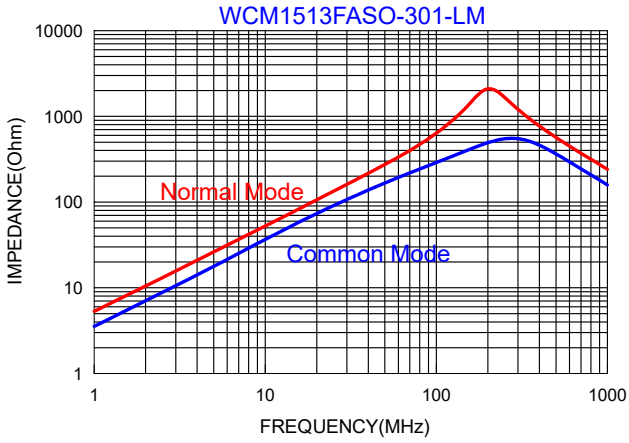
4. Specification

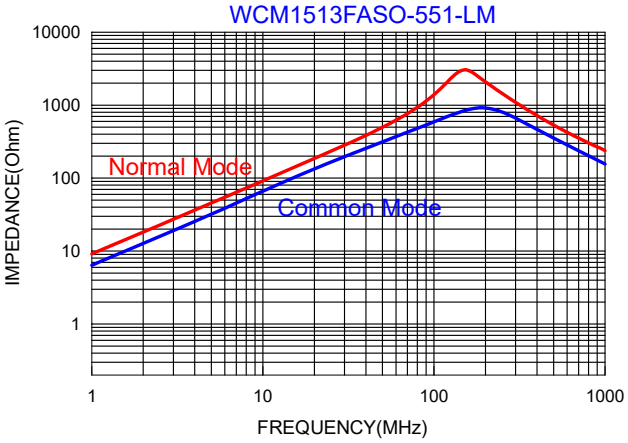
TAI-TECH Part Number	Impedance (Ω)		Test Frequency (MHz)	DCR (mΩ) max. (1 line)	Rated Current (A) max.	Rated Volt. (Vdc) max.	Insulation Resistance (MΩ) min.
	min.	typ.					
WCM1513FASO-101-LM	60	100	100	2.0	20	125	10
WCM1513FASO-301-LM	200	300	100	3.5	14	125	10
WCM1513FASO-551-LM	450	550	100	4.0	10	125	10
WCM1513FASO-701-LM	500	700	100	5.0	10	125	10

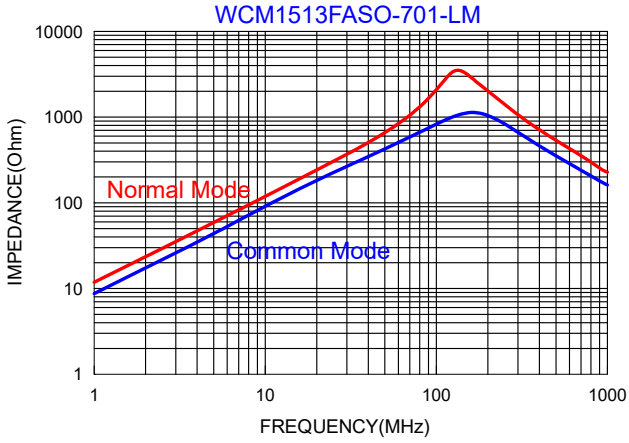
Note:

- Measurement board data
  Material : FR4
  Board dimensions : 100 X 50 X 1.6t mm
  Pattern dimensions: 45 X 30 mm (Double side board)
  Pattern thickness : 50 μm
- All test data referenced to 25℃ ambient

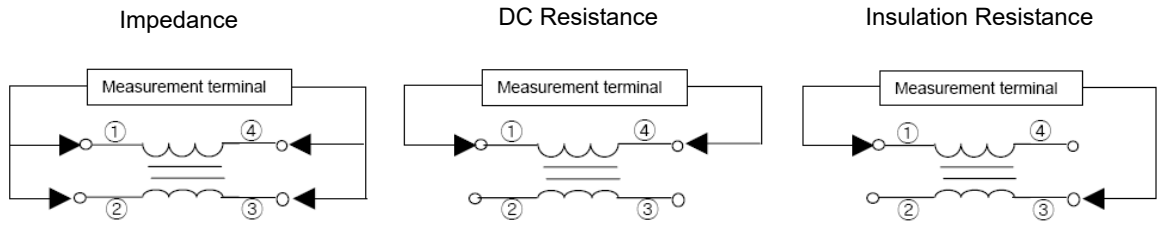








5. Schematic Diagram



6. Recommended PC Board Pattern

	WCM1513
L(mm)	17.0
H(mm)	9.2
G1(mm	10.4
G2(mm	3.8

