

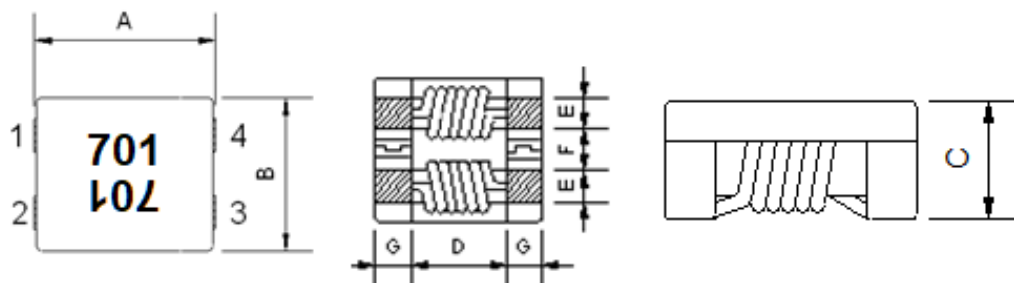
Wire Wound Power Common Mode Filter WCM5555FASV-SERIES-LM

1. Features

1. High reliability -Reliability tests comply with AEC-Q200
2. Operating temperature-40~+125°C (Including self - temperature rise)



2. Dimension



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)
WCM5555	5.5±0.5	5.5±0.5	3.5 max.	3.3 typ.	1.2±0.5	1.9±0.5	1.1±0.5

Unit:mm

3. Part Numbering



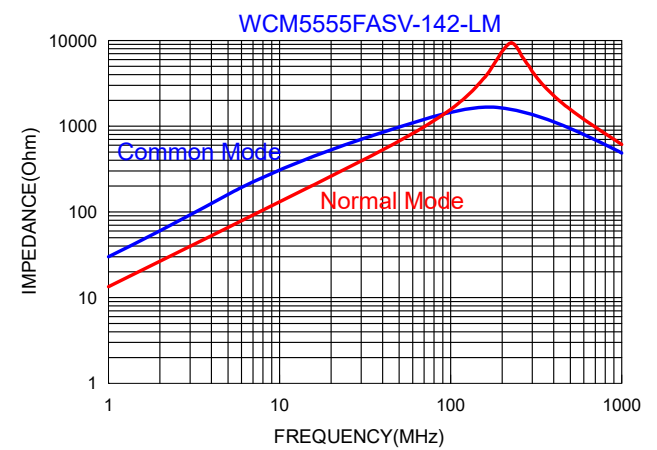
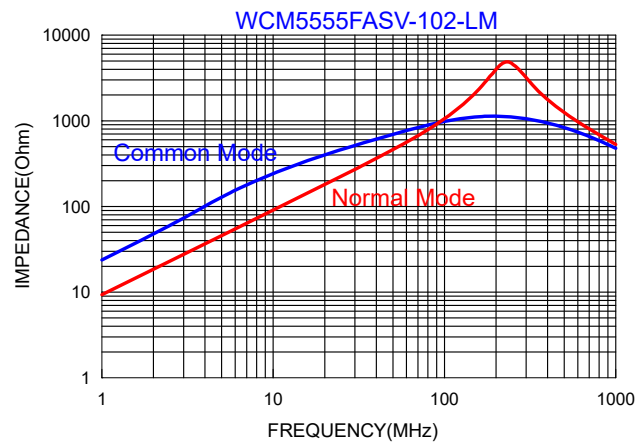
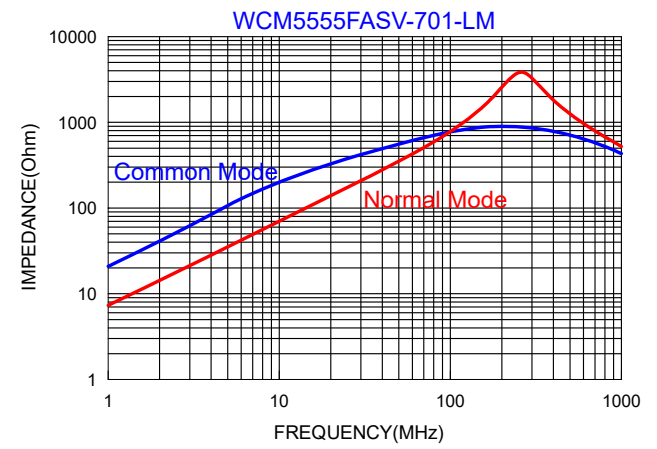
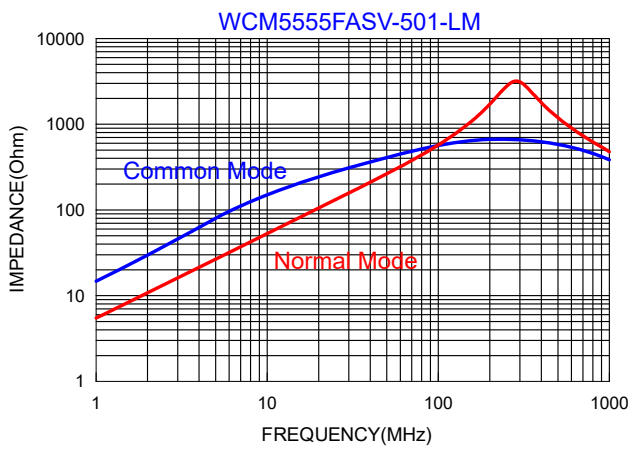
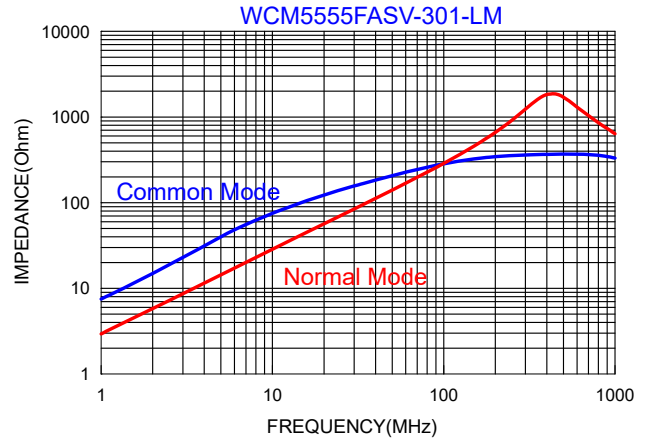
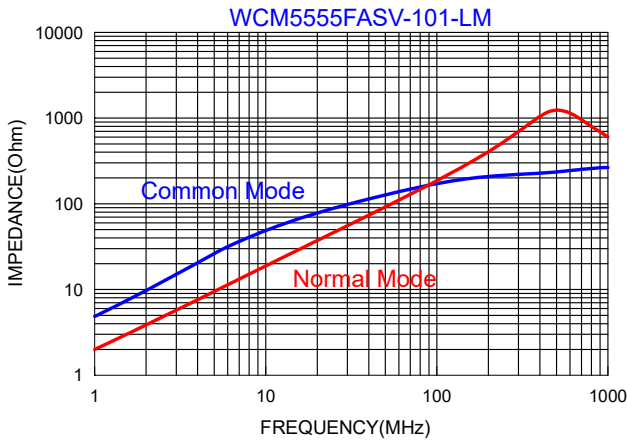
- A: Series
 B: Dimension
 C: Material Ferrite Core
 D: Process Assembled
 E: Type S=Shielded , N=Unshielded
 F: Category Code V=Vehicle
 G: Impedance 701=700Ω
 H: Laser Marking

4. Specification

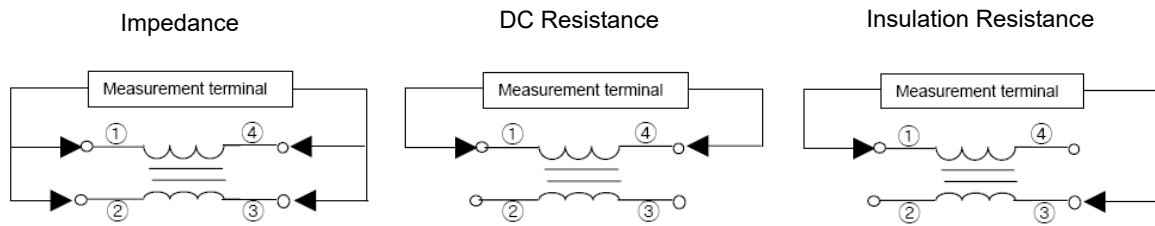
TAI-TECH Part Number	Impedance (Ω)		Test Frequency (MHz)	DC Resistance (mΩ) max. (1 line)	Rated Current (A) max.	Rated Volt. (Vdc) max.	Insulation Resistance (MΩ) min.
	min.	typ.					
WCM5555FASV-101-LM	100	140	100	6.0	8.5	80	10
WCM5555FASV-301-LM	150	300	100	7.5	4.8	80	10
WCM5555FASV-501-LM	300	500	100	10.5	4.5	80	10
WCM5555FASV-701-LM	500	700	100	13.0	3.8	80	10
WCM5555FASV-102-LM	750	1000	100	20.0	3.0	80	10
WCM5555FASV-142-LM	1000	1400	100	38.0	2.8	80	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



5. Schematic Diagram



6. Recommended PC Board Pattern

	WCM5555
L(mm)	5.9
H(mm)	4.3
G1(mm)	3.3
G2(mm)	1.9

