

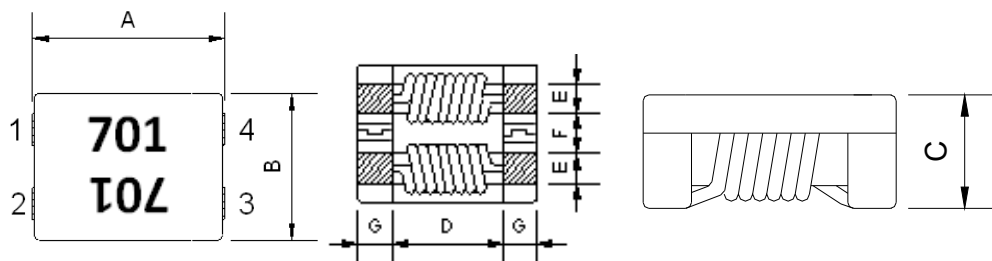
Wire Wound Power Common Mode Filter WCM9070FASV-SERIES-LM

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)
WCM9070	9.0±0.5	7.0±0.2	4.5 max.	5.3 typ.	1.5±0.5	2.1±0.5	1.8±0.5

Unit:mm

3. Part Numbering

WCM	9070	F	A	S	V	-	701	-	LM
A	B	C	D	E	F		G		H

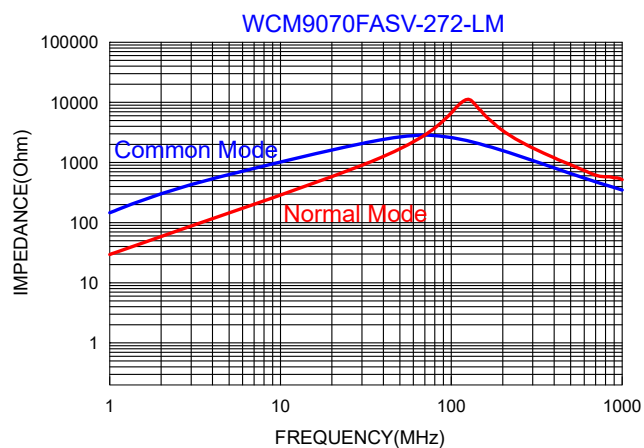
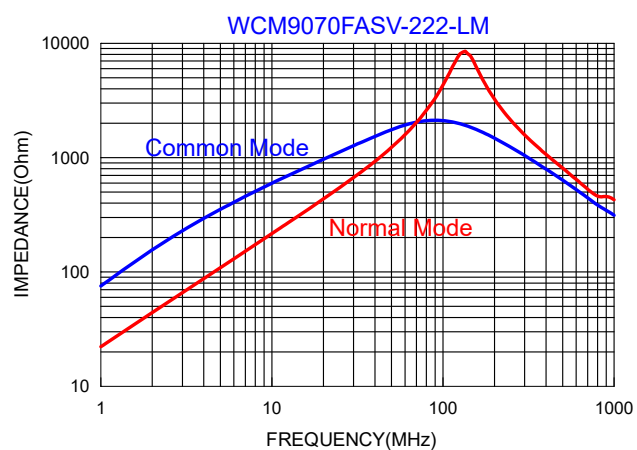
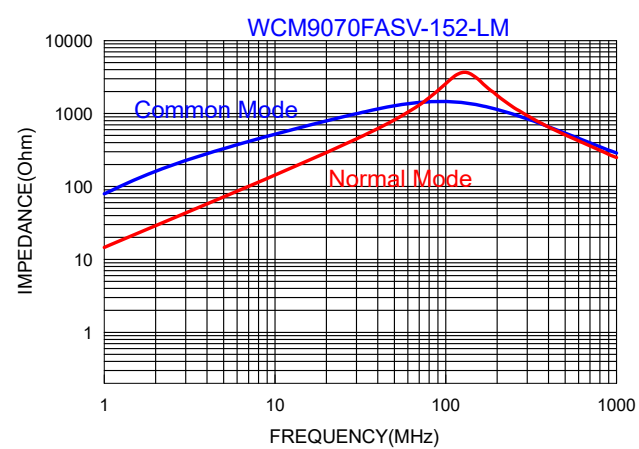
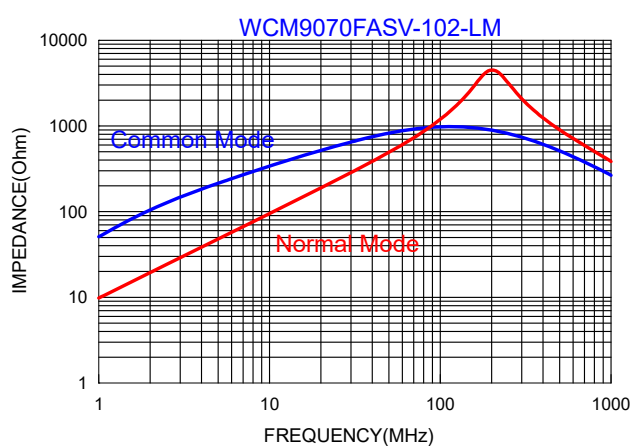
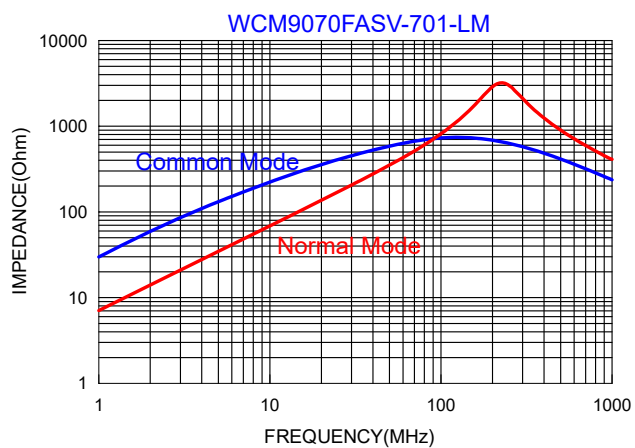
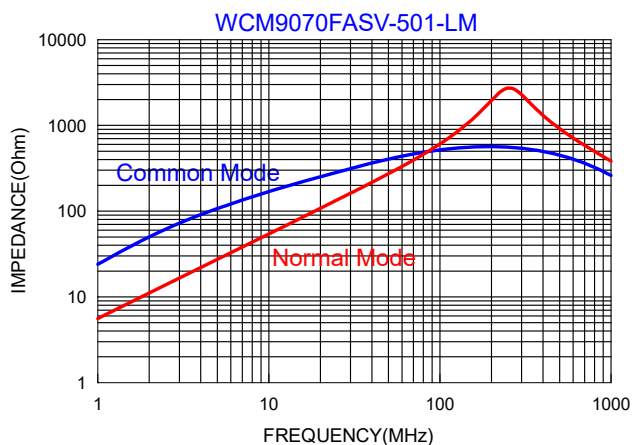
A: Series
 B: Dimension
 C: Material Ferrite Core
 D: Process Assembled
 E: Type S=Shielded , N=Unshielded
 F: Category Code V=Vehicle
 G: Impedance 701=700Ω
 H: Laser Marking

4. Specification

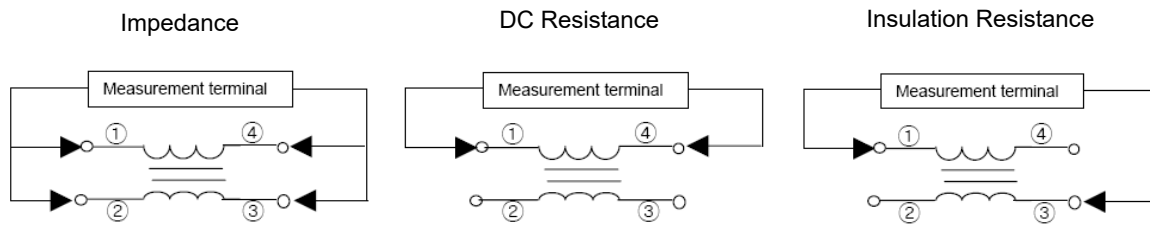
TAI-TECH Part Number	Impedance (Ω)		Test Frequency (MHz)	DC Resistance (mΩ) max. (1 line)	Rated Current (A) max.	Rated Volt. (Vdc) max.	Insulation Resistance (MΩ) min.
	min.	typ.					
WCM9070FASV-501-LM	300	500	100	6	8.0	80	10
WCM9070FASV-701-LM	500	700	100	9	6.0	80	10
WCM9070FASV-102-LM	750	1000	100	10	5.0	80	10
WCM9070FASV-152-LM	1000	1500	100	15	4.5	80	10
WCM9070FASV-222-LM	1700	2200	100	25	4.0	80	10
WCM9070FASV-272-LM	2000	2700	100	32	3.5	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

	WCM9070
L(mm)	11.0
H(mm)	5.0
G1(mm)	6.0
G2(mm)	2.0

