

Wire Wound Type Common Mode Filter

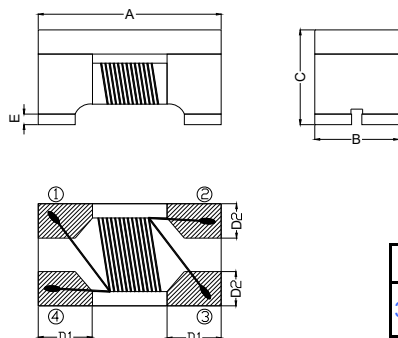
WCM3216F2SV-SERIES

1. Features

1. High common mode impedance at high frequency cause excellent noise suppression performance.
2. WCM3216F2SV series realizes small size and low profile. 3.2x1.6x2.0 mm.
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
4. High reliability -Reliability tests comply with AEC-Q200
5. Operating temperature-55~+125℃ (Including self - temperature rise)



2. Dimension



Series	A(mm)	B(mm)	C(mm)	D1(mm)	D2(mm)	E(mm)
3216F2SV	3.2±0.2	1.6±0.2	2.0±0.2	0.5±0.1	0.5±0.1	0.15±0.1

Units: mm

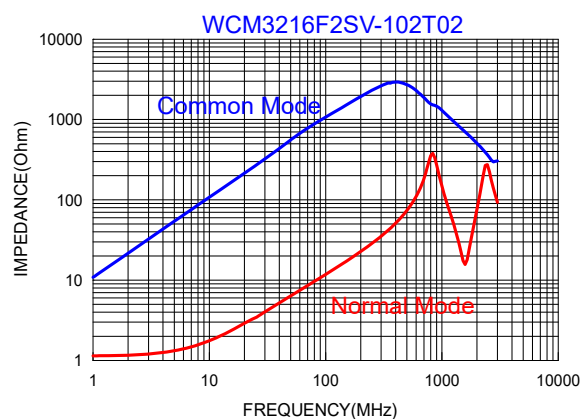
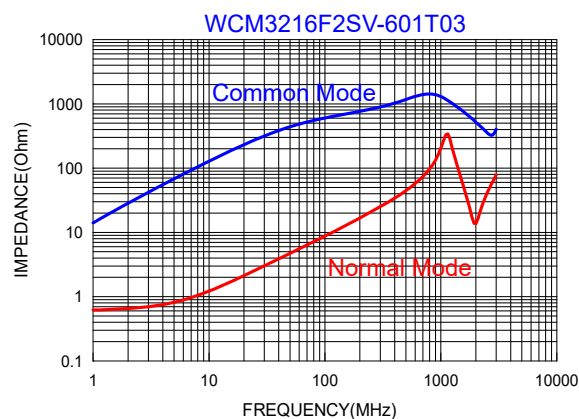
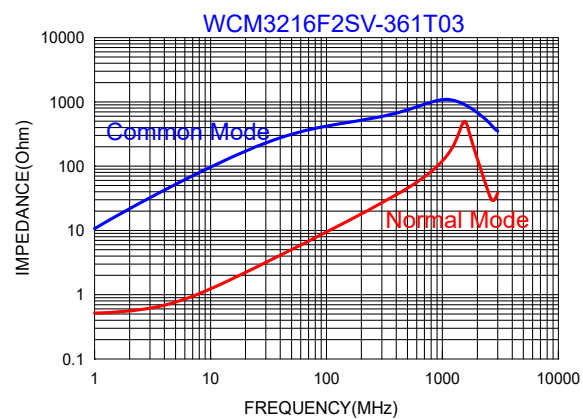
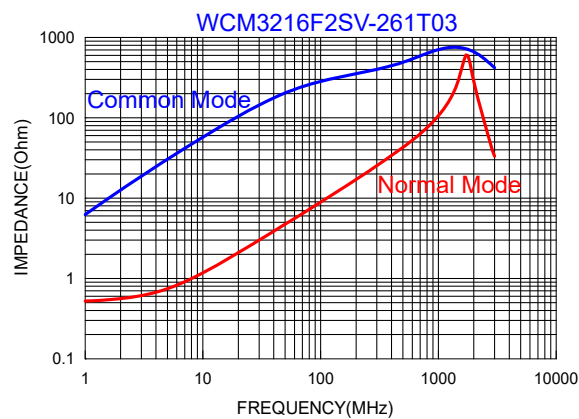
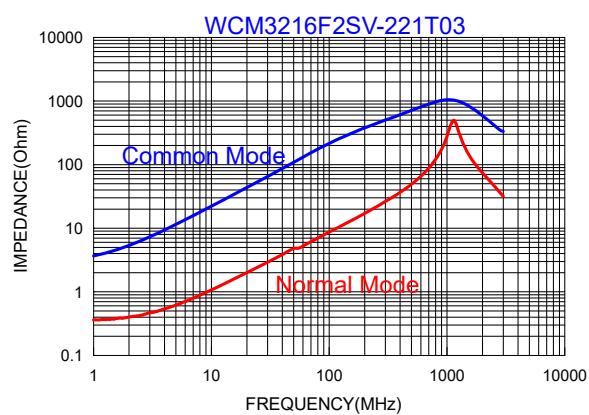
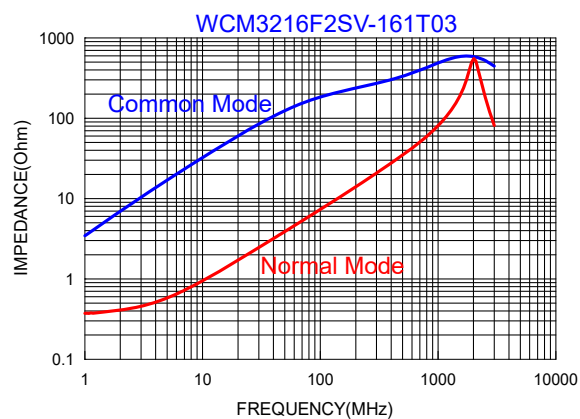
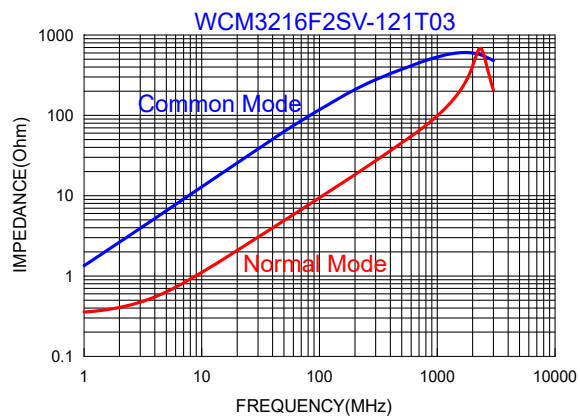
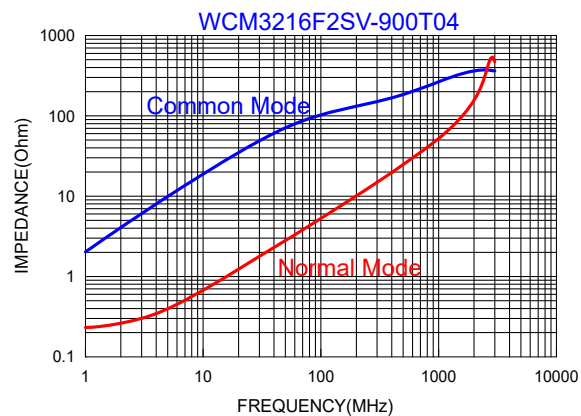
3. Part Numbering

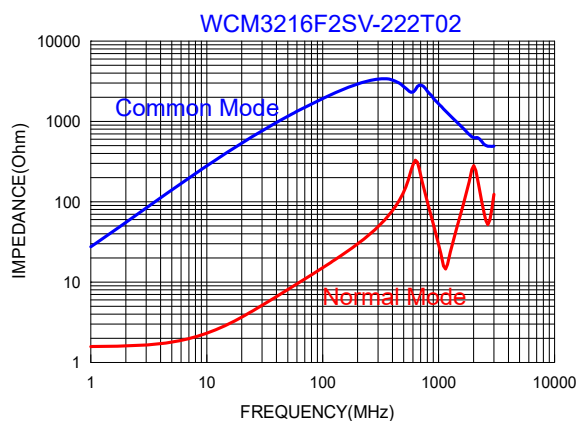
WCM	3216	F	2	S	V	-	900	T	04
A	B	C	D	E	F		G	H	I

A: Series	
B: Dimension	
C: Material	Ferrite Core
D: Number of Lines	2=2 lines
E: Type	S=Shielded , N=Unshielded
F: Category Code	V=Vehicle
G: Impedance	900=90Ω
H: Packaging	T=Taping and Reel
I: Rated Current	04=400mA

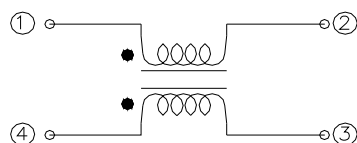
4. Specification

TAI-TECH Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA)max.	Rated Volt. (Vdc)max.	Withstand Volt. (Vdc) Max.	IR (Ω) min.
WCM3216F2SV-900T04	90±25%	100	0.30	400	50	125	10M
WCM3216F2SV-121T03	120±25%	100	0.30	350	50	125	10M
WCM3216F2SV-161T03	160±25%	100	0.40	350	50	125	10M
WCM3216F2SV-221T03	220±25%	100	0.45	300	50	125	10M
WCM3216F2SV-261T03	260±25%	100	0.50	300	50	125	10M
WCM3216F2SV-361T03	360±25%	100	0.60	300	50	125	10M
WCM3216F2SV-601T03	600±25%	100	0.80	300	50	125	10M
WCM3216F2SV-102T02	1000±25%	100	1.00	200	50	125	10M
WCM3216F2SV-222T02	2200±25%	100	1.20	200	50	125	10M

Typical Impedance v.s. Frequency Curve



5. Schematic Diagram



6. Recommended PC Board Pattern

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

