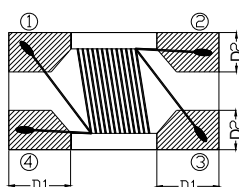
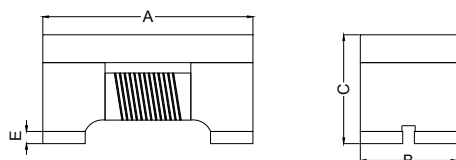


1. Features

1. High common mode impedance at high frequency cause excellent noise suppression performance.
2. WCM2012F2SV series realizes small size and low profile. 2.0x1.2x1.2 mm.
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
4. High reliability -Reliability test meet AEC-Q200
5. Operating temperature-55~+125°C (Including self - temperature rise)



2. Dimension



Series	A(mm)	B(mm)	C(mm)	D1(mm)	D2(mm)	E(mm)
2012F2SV	2.0±0.2	1.2±0.2	1.2±0.2	0.50±0.1	0.51±0.1	0.15±0.1

3. Part Numbering

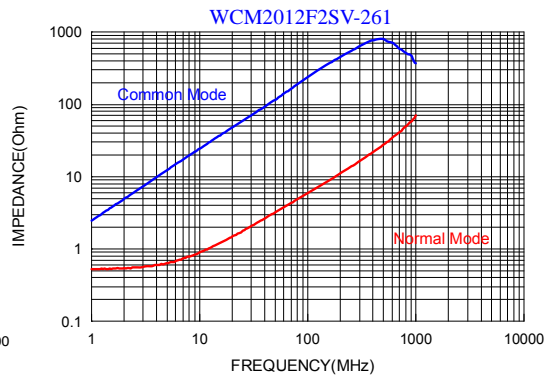
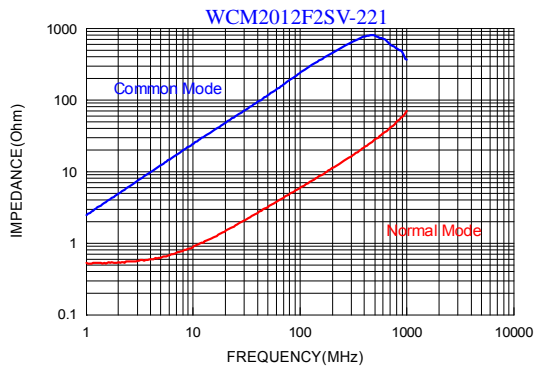
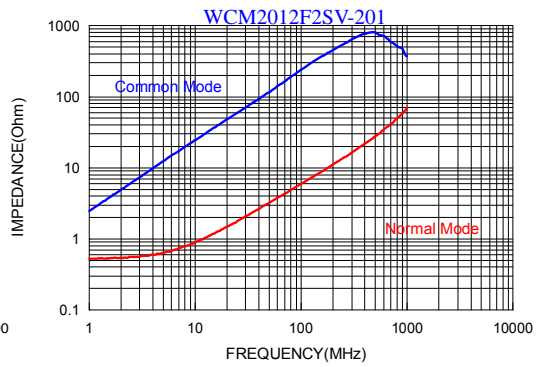
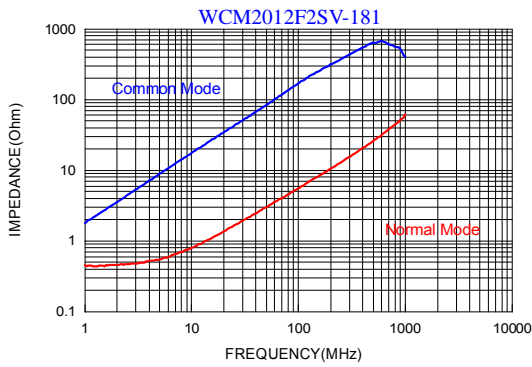
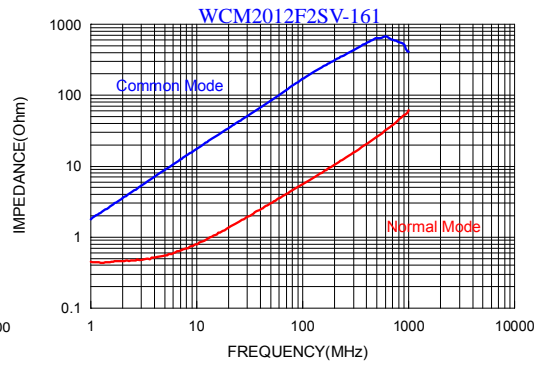
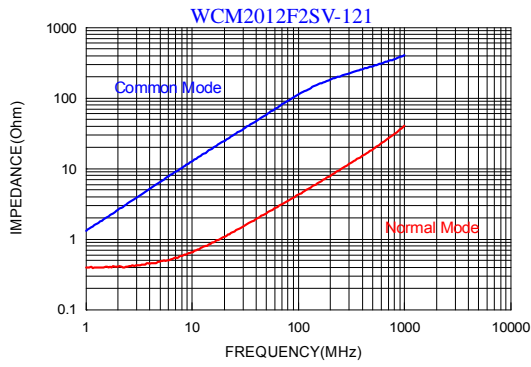
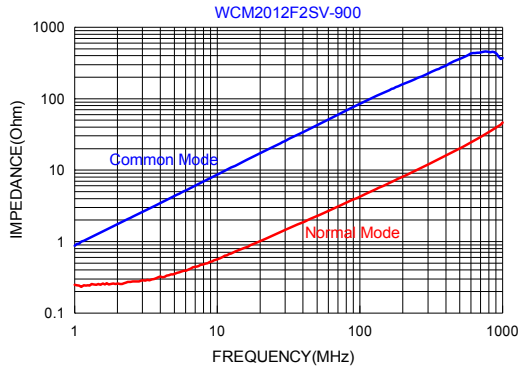
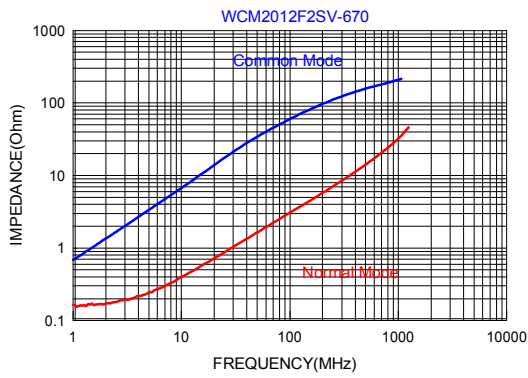
WCM	2012	F	2	S	V	-	900	T	04
A	B	C	D	E	F		G	H	I

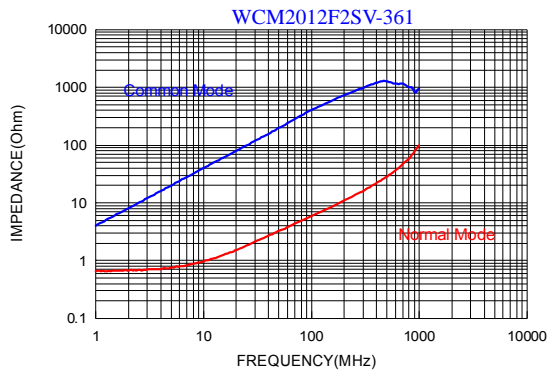
A: Series	
B: Dimension	
C: Material	Ferrite Core
D: Number of Lines	2=2 lines
E: Type	S=Shielded , N=Unshielded
F: Category Code	V=Vehicle
G: Impedance	900=90Ω
H: Packaging	T=Taping and Reel
I: Rated Current	04=400mA

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.
WCM2012F2SV-670T04	67±25%	100	0.25	400	50	125	10M
WCM2012F2SV-900T04	90±25%	100	0.30	400	50	125	10M
WCM2012F2SV-121T04	120±25%	100	0.30	400	50	125	10M
WCM2012F2SV-161T03	160±25%	100	0.35	350	50	125	10M
WCM2012F2SV-181T03	180±25%	100	0.35	350	50	125	10M
WCM2012F2SV-201T03	200±25%	100	0.40	300	50	125	10M
WCM2012F2SV-221T03	220±25%	100	0.40	300	50	125	10M
WCM2012F2SV-261T03	260±25%	100	0.40	300	50	125	10M
WCM2012F2SV-361T03	360±25%	100	0.50	300	50	125	10M

Typical Impedance v.s. Frequency Curve



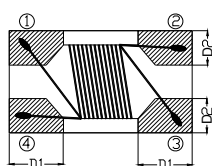
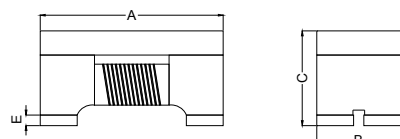


1. Features

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°C (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

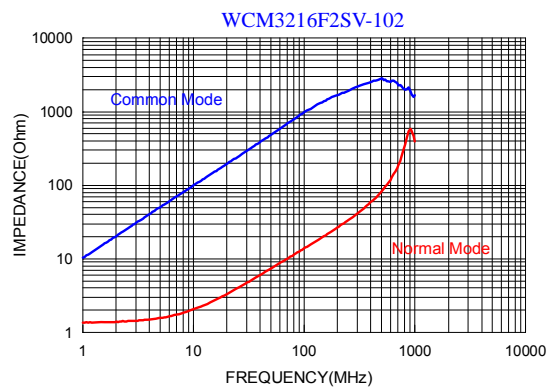
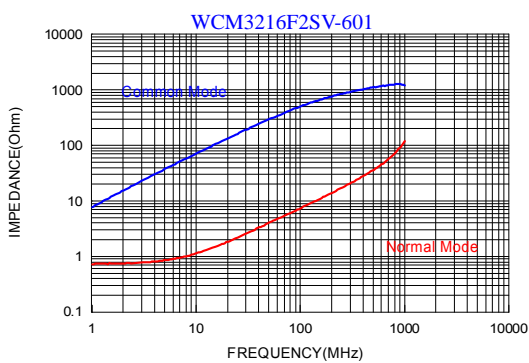
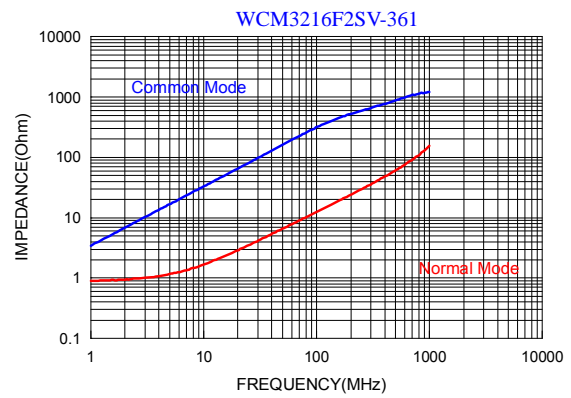
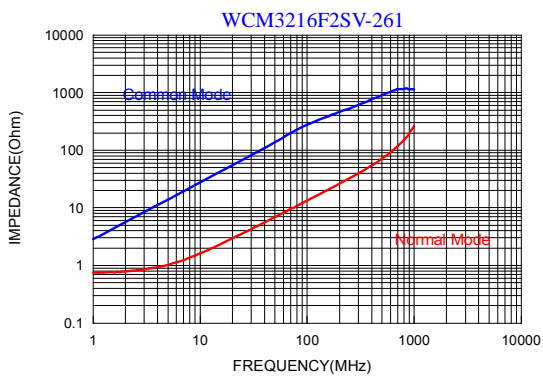
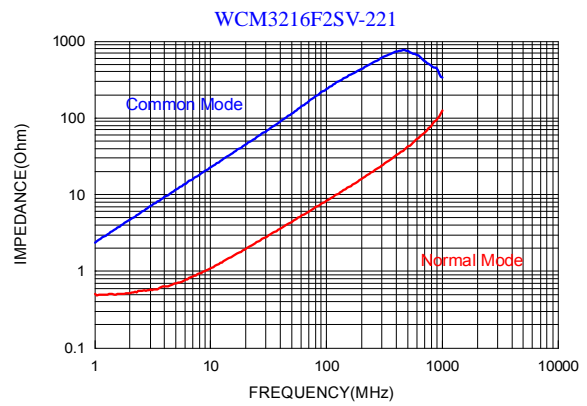
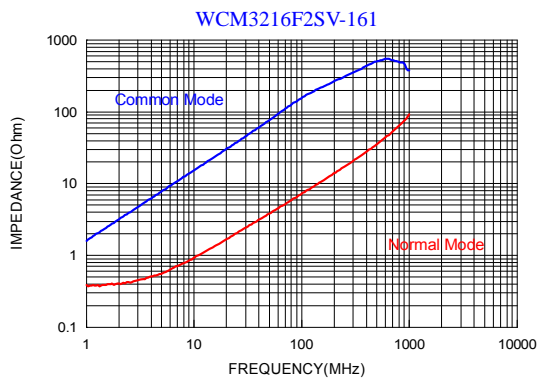
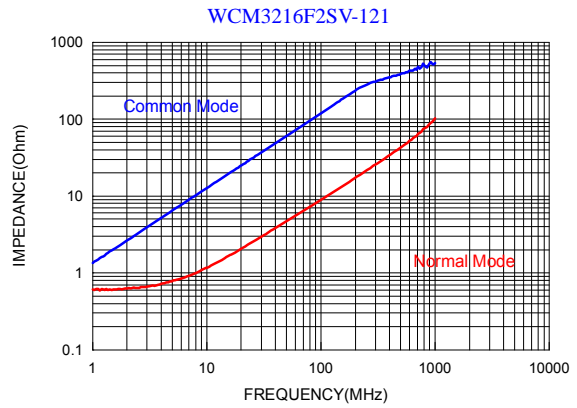
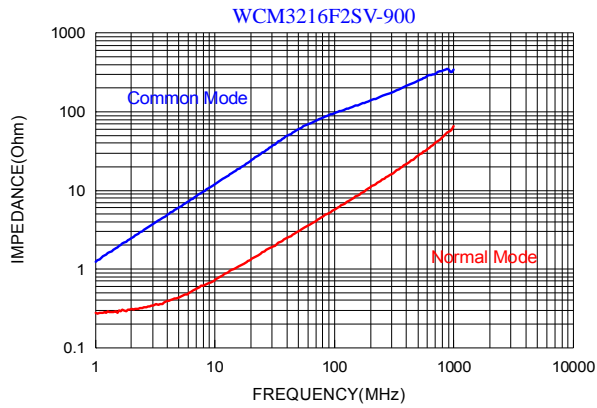
WCM	3216	F	2	S	V	-	900	T	04
A	B	C	D	E	F		G	H	I

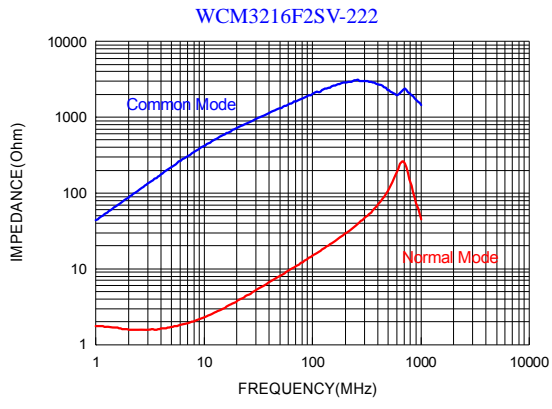
- A: Series
 B: Dimension
 C: Material Ferrite Core
 D: Number of Lines 2=2 lines
 E: Type S=Shielded , N=Unshielded
 F: Category Code V=Vehicle
 G: Impedance 900=90Ω
 H: Packaging T=Taping and Reel
 I: Rated Current 04=400mA

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



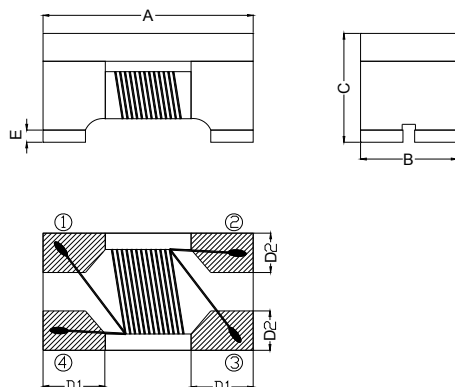


1. Features

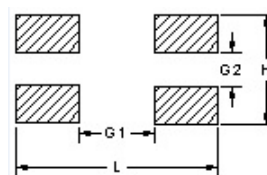
1. High common mode impedance at high frequency cause excellent noise suppression performance.
2. WCM3225F2SV series realizes small size and low profile. 3.2x2.5x2.2 mm.
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
4. High reliability -Reliability test meet AEC-Q200
5. Operating temperature-55~+125°C (Including self - temperature rise)



2. Dimension



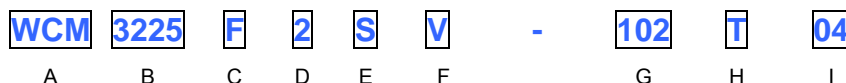
Recommended PC Board Pattern



Series	A(mm)	B(mm)	C(mm)	D1(mm)	D2(mm)	E(mm)	G1(mm)	G2(mm)	H(mm)	L(mm)
3225F2SV	3.2±0.2	2.5±0.2	2.2±0.2	0.8±0.1	0.9±0.1	0.15±0.1	1.6	0.6	3.5	4.4

Units: mm

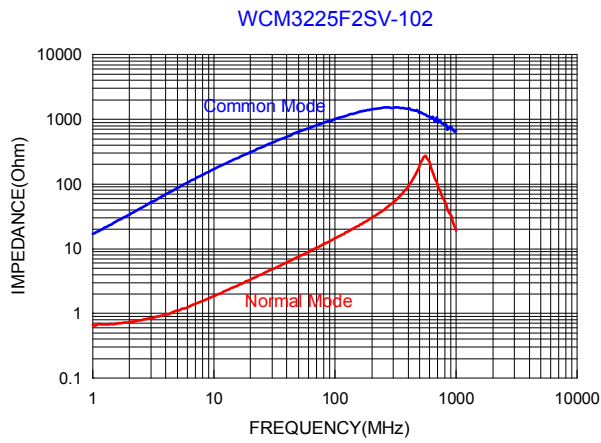
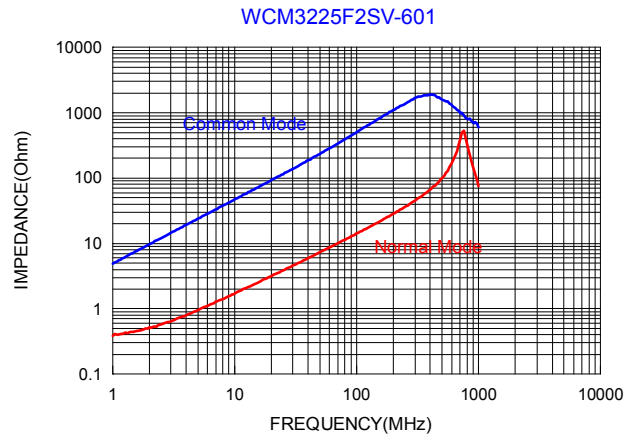
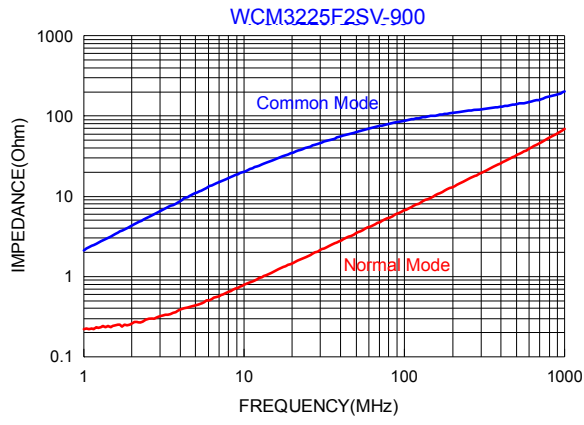
3. Part Numbering



- 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 102=1000Ω
 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.
WCM3225F2SV-900T10	90±25%	100	0.050	1000	50	125	10M
WCM3225F2SV-601T10	600±25%	100	0.20	1000	50	125	10M
WCM3225F2SV-102T04	1000±25%	100	0.30	400	50	125	10M

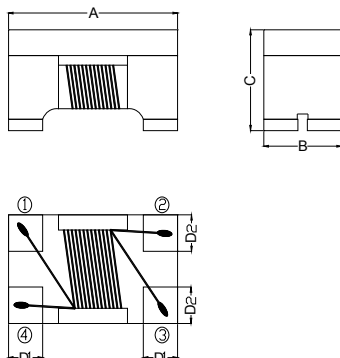


1. Features

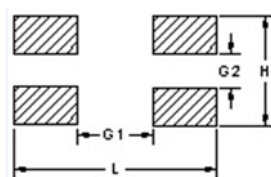
1. High common mode impedance at high frequency cause excellent noise suppression performance.
2. WCM4532F2SV series realizes small size and low profile. 4.5x3.2x2.8 mm.
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
4. High reliability -Reliability tests comply with AEC-Q200
5. Operating temperature -55~+125°C (Including self - temperature rise)



2. Dimension



Recommended PC Board Pattern



Series	A(mm)	B(mm)	C(mm)	D1(mm)	D2(mm)	L(mm)	H(mm)	G1(mm)	G2(mm)
4532F2SV	4.5±0.2	3.2±0.2	2.8±0.2	0.90±0.15	1.05±0.15	5.0	3.6	3.0	1.2

Units: mm

3. Part Numbering

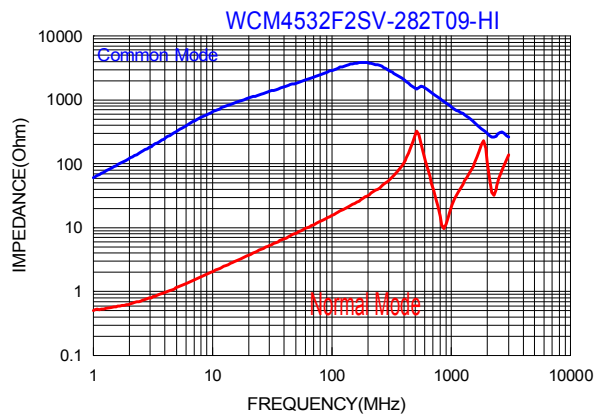
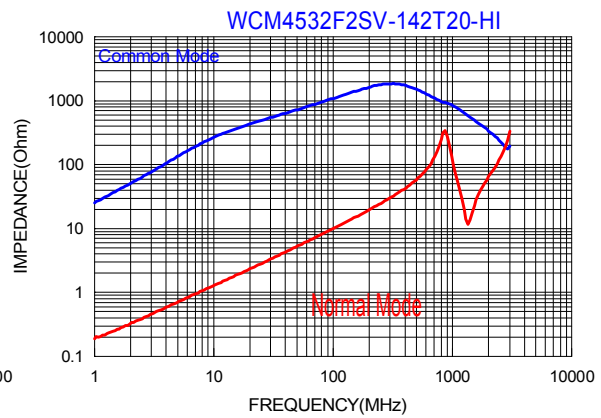
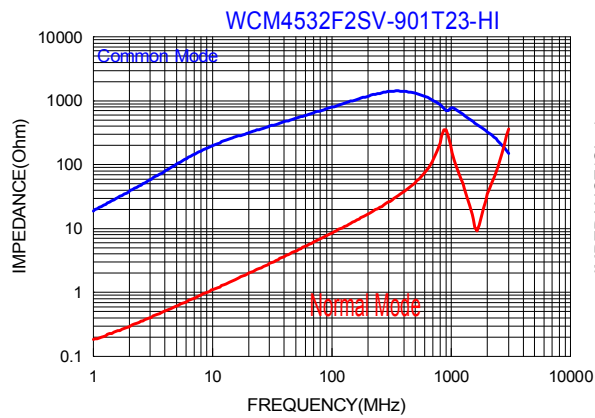
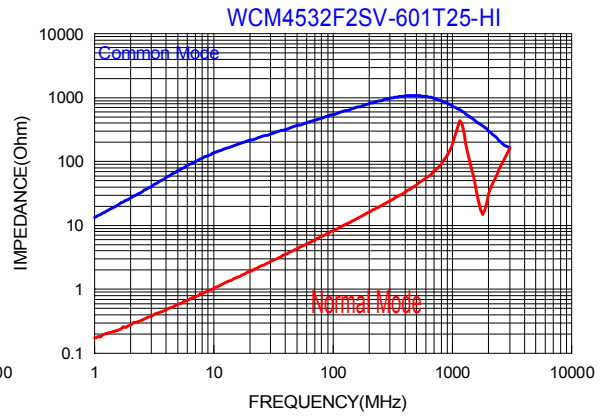
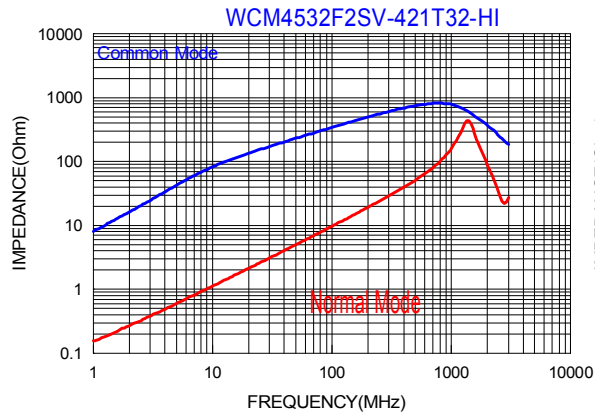
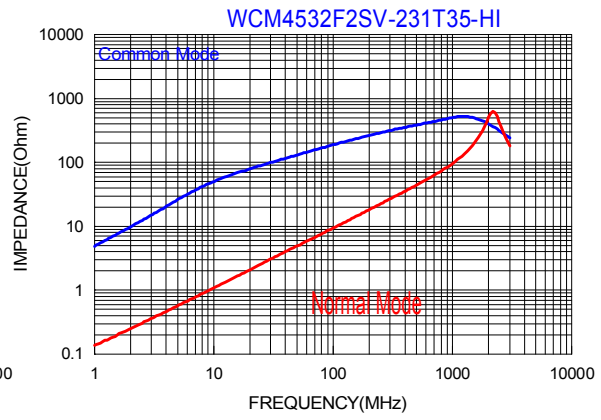
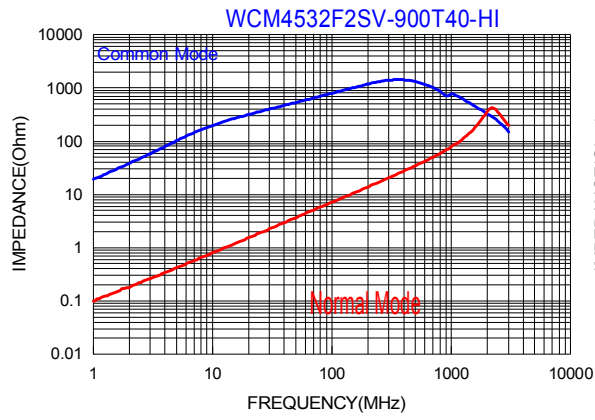


- A: Series
 B: Dimension
 C: Material Ferrite Core
 D: Number of Lines 2=2 lines
 E: Type S=Shielded , N=Unshielded
 F: Category Code V=Vehicle
 G: Impedance 142=1400Ω
 H: Packaging T=Taping and Reel
 I: Rated Current 20=2000mA
 J : Control S/N

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.
	min	typ.						
WCM4532F2SV-900T40-HI	68 min	90 typ.	100	0.050	4000	50	125	10M
WCM4532F2SV-231T35-HI	173 min	230 typ.	100	0.050	3500	50	125	10M
WCM4532F2SV-421T32-HI	300 min	420 typ.	100	0.055	3200	50	125	10M
WCM4532F2SV-601T25-HI	450 min	600 typ.	100	0.060	2500	50	125	10M
WCM4532F2SV-901T23-HI	650 min	900 typ.	100	0.070	2300	50	125	10M
WCM4532F2SV-142T20-HI	1000 min.	1400 typ.	100	0.100	2000	50	125	10M
WCM4532F2SV-282T09-HI	2100 min	2800 typ.	100	0.350	900	50	125	10M

Note: When current is applied , the temperature of the part should not exceed 125°C

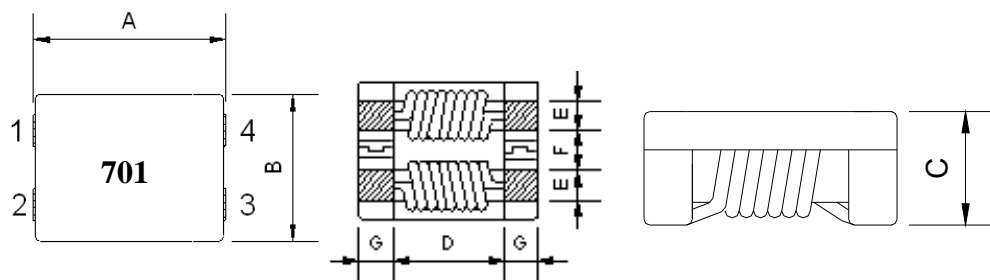


1. Features

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)
WCM7060	7.0±0.5	6.0±0.5	3.8 max.	3.5 typ.	1.5±0.5	1.5±0.5	1.7±0.5

Unit:mm

2. Part Numbering

WCM	7060	F	A	S	V	-	701	-	M
A	B	C	D	E	F		G		H

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

3. 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.					
WCM7060FASV-400-M	40	70	100	5	15	80	10
WCM7060FASV-101-M	100	140	100	10	9	80	10
WCM7060FASV-301-M	225	300	100	10	5	80	10
WCM7060FASV-501-M	400	500	100	10	5	80	10
WCM7060FASV-601-M	500	700	100	15	4	80	10
WCM7060FASV-701-M	500	700	100	15	4	80	10
WCM7060FASV-102-M	800	1020	100	17	3	80	10
WCM7060FASV-132-M	910	1300	100	20	3	80	10

Note:

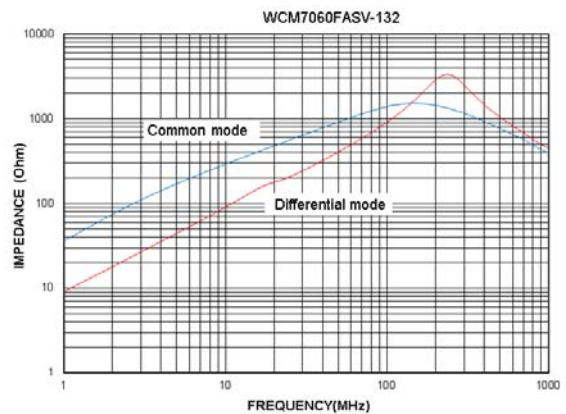
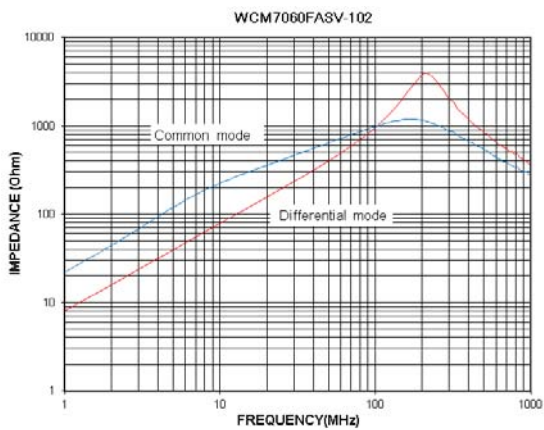
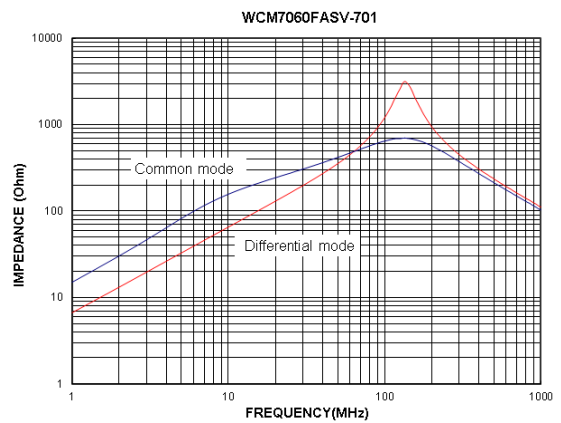
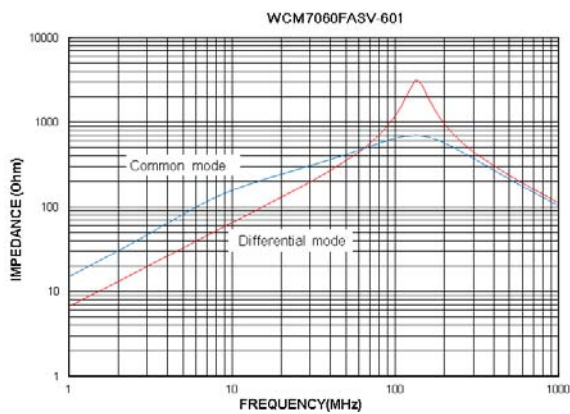
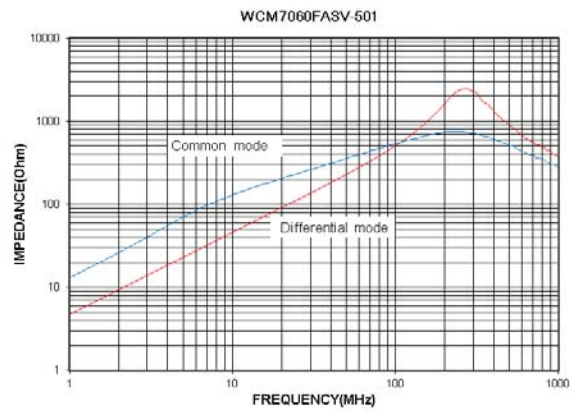
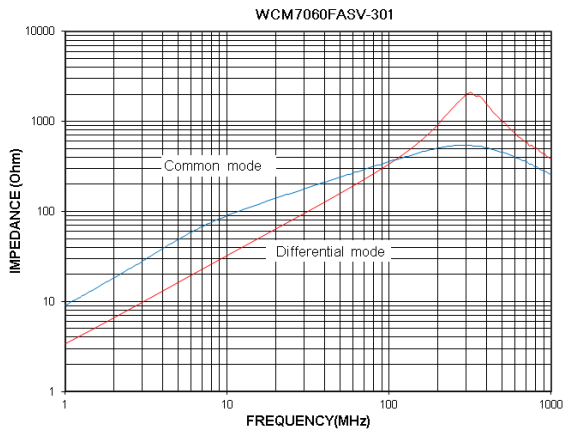
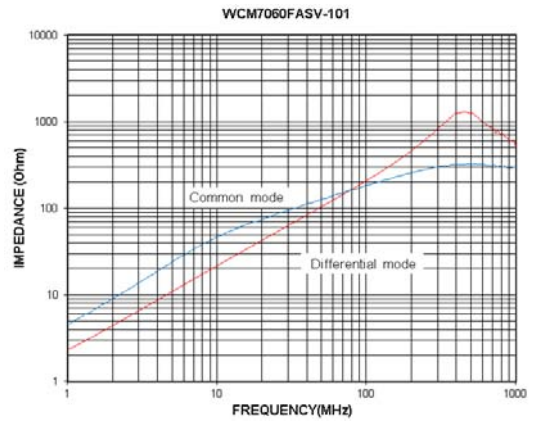
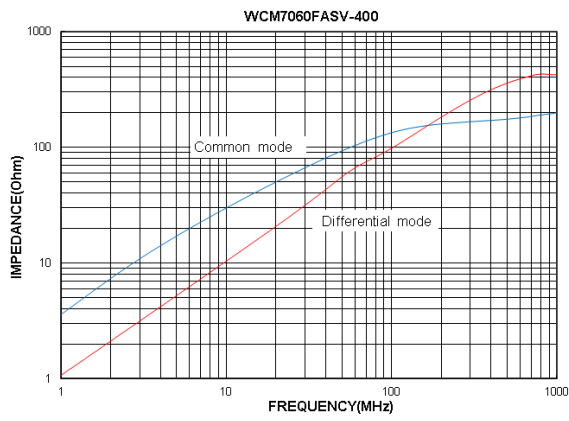
Measurement board data

Material : FR4

Board dimensions : 100 X 50 X 1.6t mm

Pattern dimensions: 45 X 30 mm (Double side board)

Pattern thickness : 50 μm



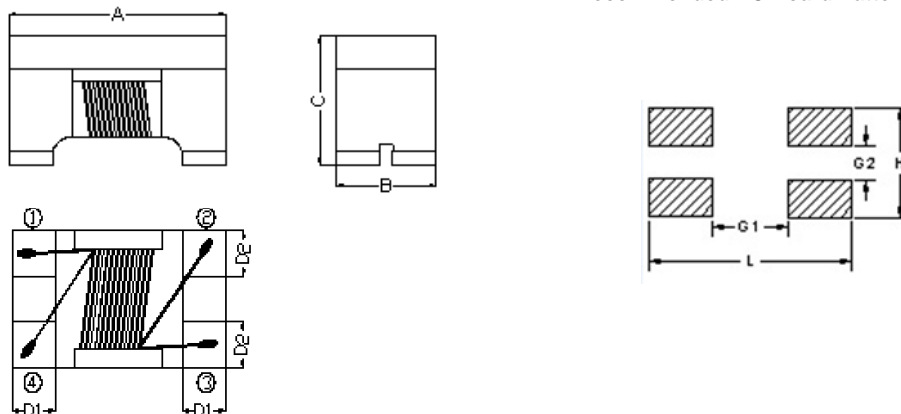
1. Features

1. High common mode impedance at high frequency cause excellent noise suppression performance.
2. WCM453220F2SV series realizes small size and low profile.
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
4. Operating temperature-40~+105°C (Including self - temperature rise)
5. High reliability -Reliability tests comply with AEC-Q200



2. Dimension

Recommended PC Board Pattern



Series	A(mm)	B(mm)	C(mm)	D1(mm)	D2(mm)	L(mm)	H(mm)	G1(mm)	G2(mm)
453220F2SV	4.5±0.2	3.2±0.2	2.0 Max	0.95±0.20	0.85±0.25	6.00	2.95	3.50	1.05

Units: mm

3. Part Numbering

WCM	453220	F	2	S	V	-	142	T	17	-	HI
A	B	C	D	E	F		G	H	I		J

- 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 142=1400Ω
 H: Packaging T=Taping and Reel
 I: Rated Current 17=1700mA
 J: Control S/N

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.
	min	typ.						
WCM453220F2SV-231T30-HI	180 min	230 typ.	100	0.050	3000	50	125	10M
WCM453220F2SV-421T28-HI	300 min	420 typ.	100	0.055	2800	50	125	10M
WCM453220F2SV-901T23-HI	650 min	900 typ.	100	0.060	2300	50	125	10M
WCM453220F2SV-142T17-HI	1000 min.	1400 typ.	100	0.090	1700	50	125	10M

