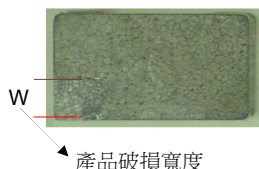
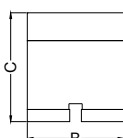
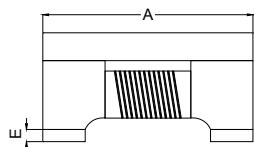


### 1.Features

1. High common mode impedance at high frequency cause excellent noise suppression performance.
2. WCM2012F2SF series realizes small size and low profile. 2.0x1.2x1.2 mm.
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.

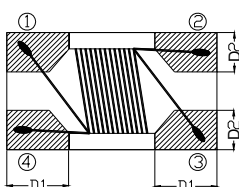


### 2.Dimension



當破損面積 < 5%, 產品列入允收品範圍

產品破損寬度



Series	A(mm)	B(mm)	C(mm)	D1(mm)	D2(mm)	E(mm)
2012F2SF	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

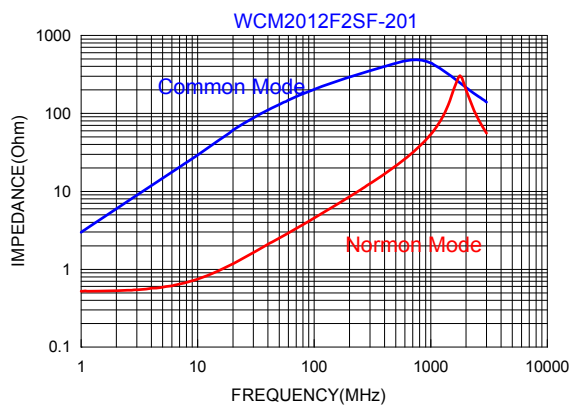
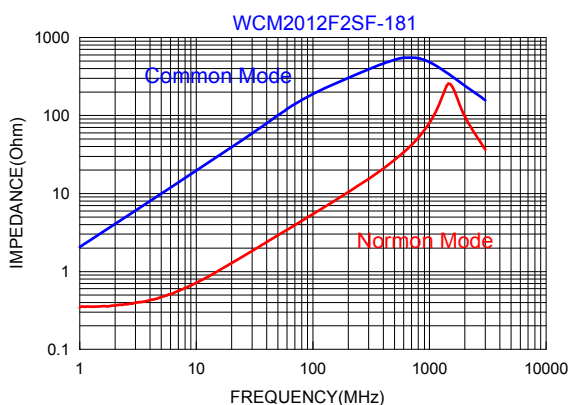
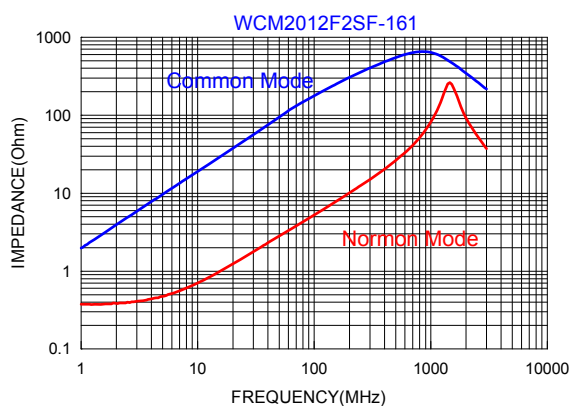
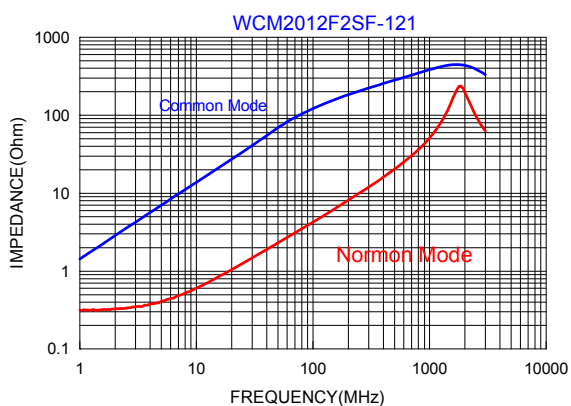
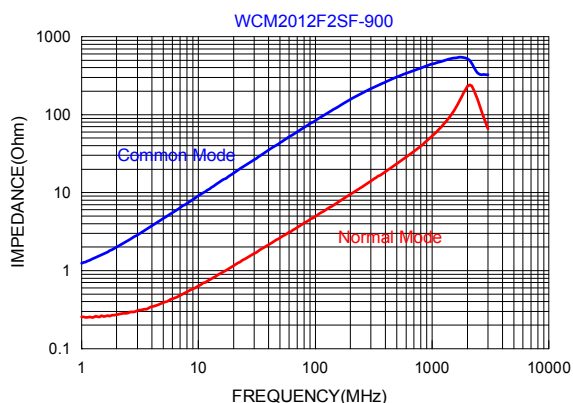
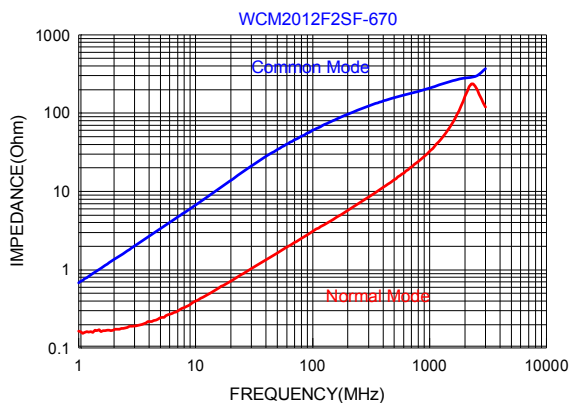


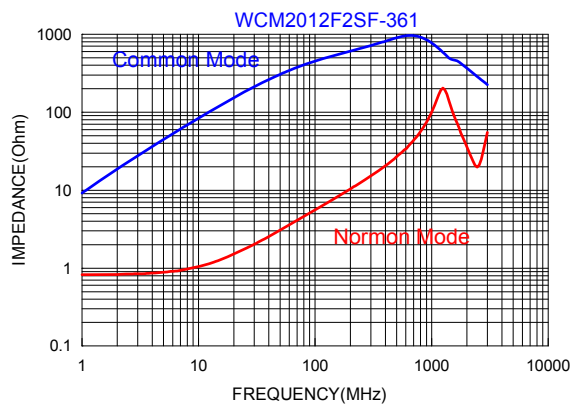
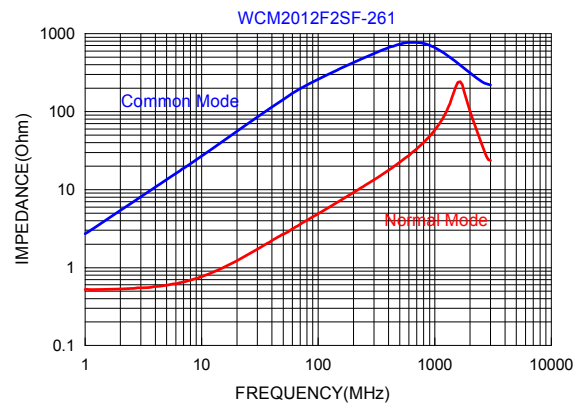
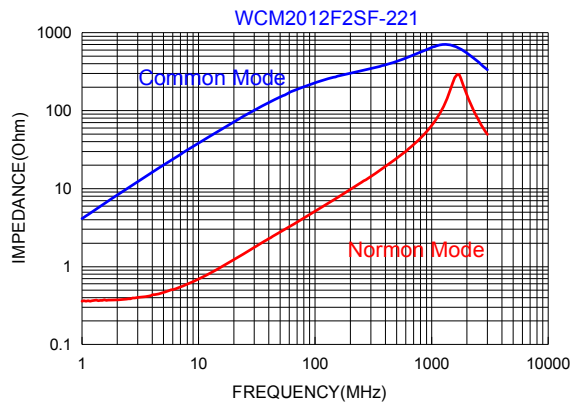
- A: Series
- B: Dimension
- C: Material                      Ferrite Core
- D: Number of Lines            2=2 lines
- E: Type                            S=Shielded , N=Unshielded
- F: Lead free
- G: Impedance                    900=90Ω
- H: Packaging                      T=Taping and Reel
- I: Rated 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.
WCM2012F2SF-670T04	67±25%	100	0.25	400	50	125	10M
WCM2012F2SF-900T04	90±25%	100	0.30	400	50	125	10M
WCM2012F2SF-121T04	120±25%	100	0.30	400	50	125	10M
WCM2012F2SF-161T03	160±25%	100	0.35	350	50	125	10M
WCM2012F2SF-181T03	180±25%	100	0.35	350	50	125	10M
WCM2012F2SF-201T03	200±25%	100	0.40	300	50	125	10M
WCM2012F2SF-221T03	220±25%	100	0.40	300	50	125	10M
WCM2012F2SF-261T03	260±25%	100	0.40	300	50	125	10M
WCM2012F2SF-361T03	360±25%	100	0.50	300	50	125	10M

### Typical Impedance v.s. Frequency Curve



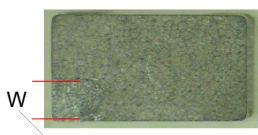
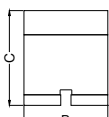
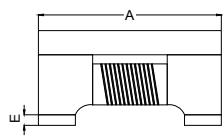


## 1. Features

1. High common mode impedance at high frequency cause excellent noise suppression performance.
2. WCM3216F2SF series realizes small size and low profile. 3.2x1.6x2.0 mm.
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.

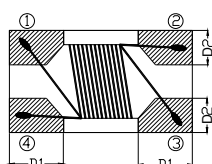


## 2. Dimension



當破損面積 < 5%, 產品列入允收品範圍

產品破損寬度



Series	A(mm)	B(mm)	C(mm)	D1(mm)	D2(mm)	E(mm)
3216F2SF	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

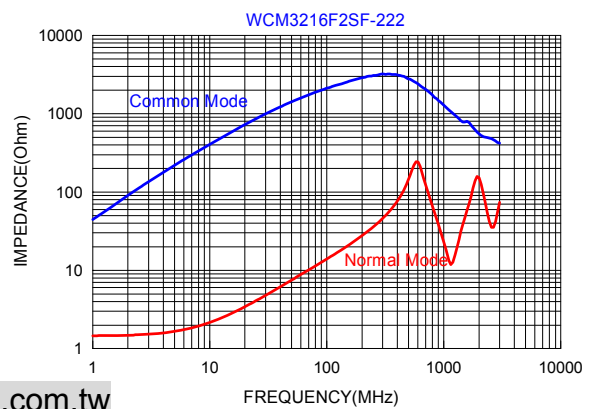
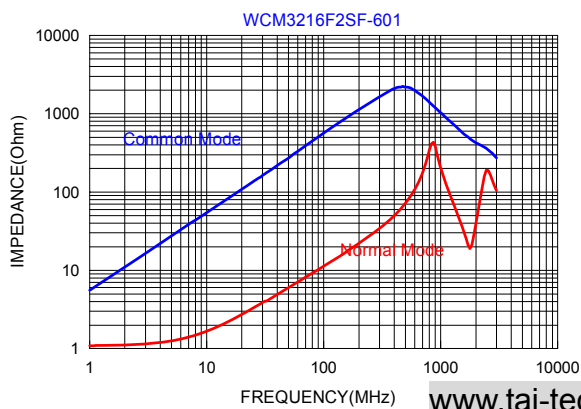
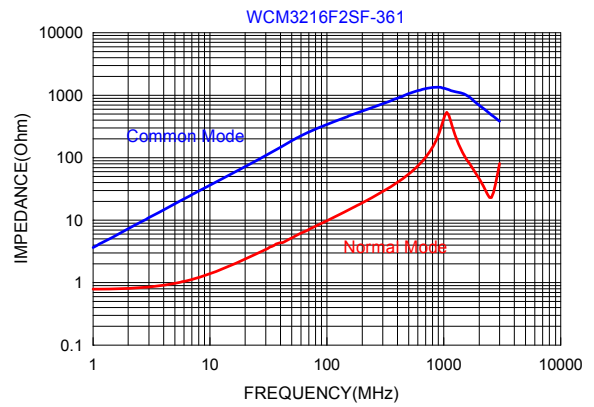
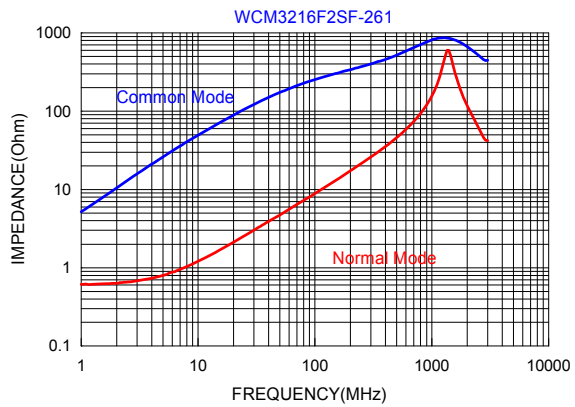
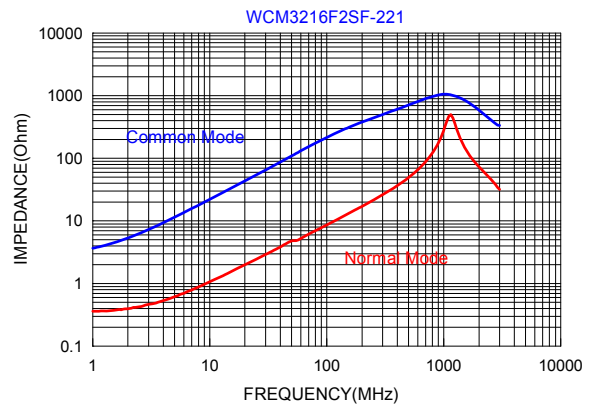
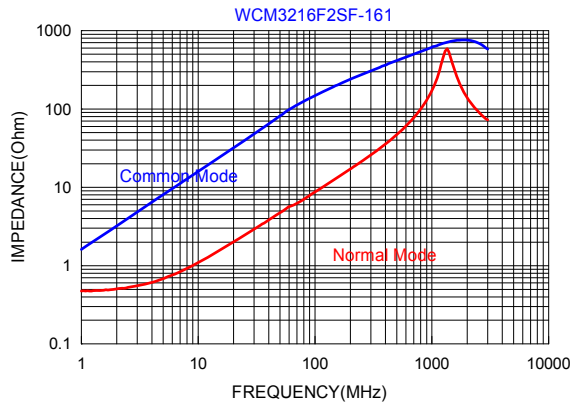
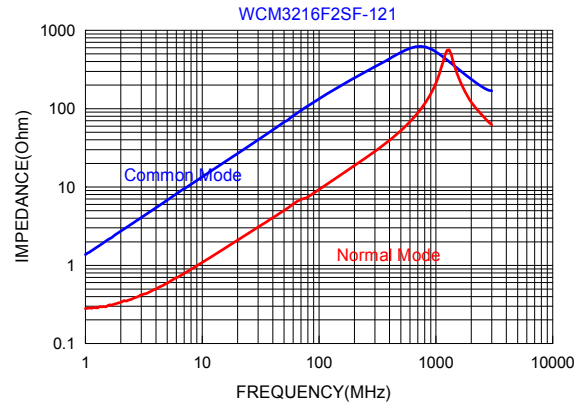
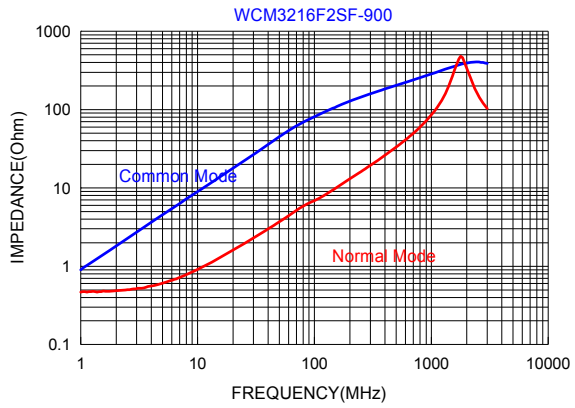


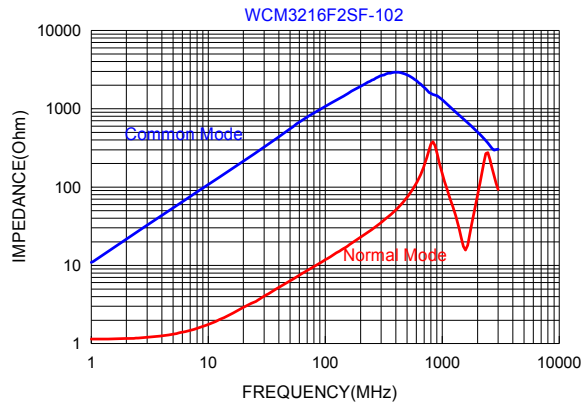
- A: Series  
 B: Dimension  
 C: Material Ferrite Core  
 D: Number of Lines 2=2 lines  
 E: Type S=Shielded , N=Unshielded  
 F: Lead free type  
 G: Impedance 900=90Ω  
 H: Packaging T=Taping and Reel  
 I: Rated Current 04=400mA

## 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.
WCM3216F2SF-900T04	90±25%	100	0.30	400	50	125	10M
WCM3216F2SF-121T03	120±25%	100	0.30	350	50	125	10M
WCM3216F2SF-161T03	160±25%	100	0.40	350	50	125	10M
WCM3216F2SF-221T03	220±25%	100	0.45	300	50	125	10M
WCM3216F2SF-261T03	260±25%	100	0.50	300	50	125	10M
WCM3216F2SF-361T03	360±25%	100	0.60	300	50	125	10M
WCM3216F2SF-601T03	600±25%	100	0.80	300	50	125	10M
WCM3216F2SF-102T02	1000±25%	100	1.00	200	50	125	10M
WCM3216F2SF-222T02	2200±25%	100	1.20	200	50	125	10M

## Typical Impedance v.s. Frequency Curve



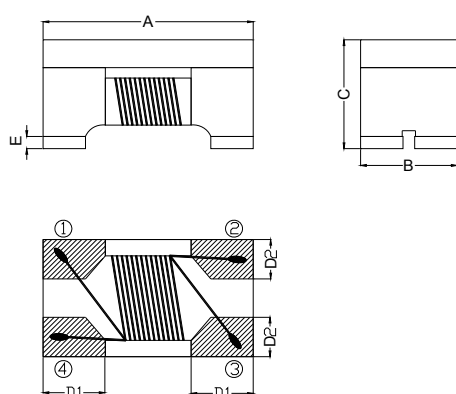


## 1. Features

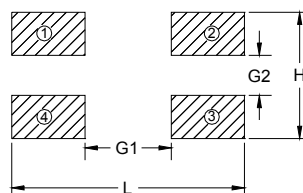
1. High common mode impedance at high frequency cause excellent noise suppression performance.
2. WCM3225F2SF series realizes small size and low profile. 3.2x2.5x2.2 mm.
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.



## 2. Dimension



### Recommended PC Board Pattern

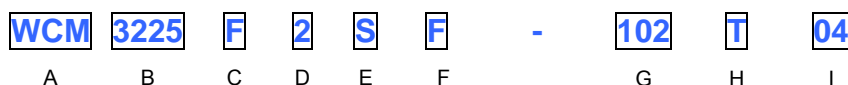


PC board should be designed so that products can prevent damage from mechanical stress when warping the board. Products shall be positioned in the sideways direction against the mechanical stress to prevent failure.

Series	A(mm)	B(mm)	C(mm)	D1(mm)	D2(mm)	E(mm)	G1(mm)	G2(mm)	H(mm)	L(mm)
3225F2SF	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

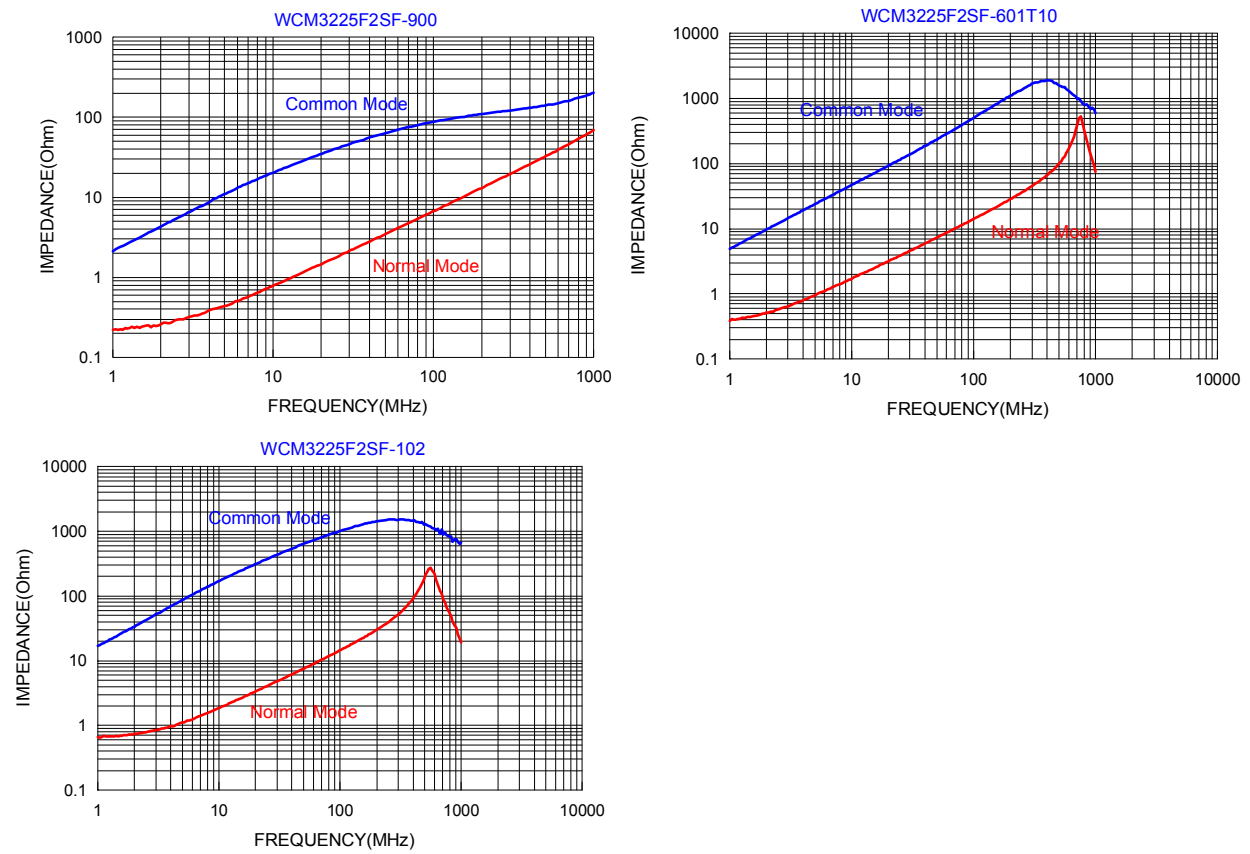
## 3. Part Numbering



- A: Series  
 B: Dimension  
 C: Material            Ferrite Core  
 D: Number of Lines    2=2 lines  
 E: Type                 S=Shielded , N=Unshielded  
 F: Lead free type  
 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.
WCM3225F2SF-900T10	90±25%	100	0.050	1000	50	125	10M
WCM3225F2SF-601T10	600±25%	100	0.20	1000	50	125	10M
WCM3225F2SF-102T04	1000±25%	100	0.30	400	50	125	10M





# Wire Wound Type Common Mode Filter

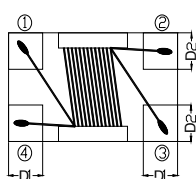
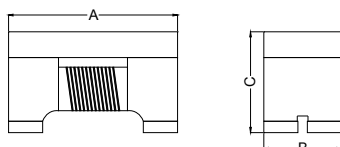
WCM4532F2SF-SERIES

## 1. Features

1. High common mode impedance at high frequency cause excellent noise suppression performance.
2. WCM4532F2SF series realizes small size and low profile. 4.5x3.2x2.8 mm.
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.

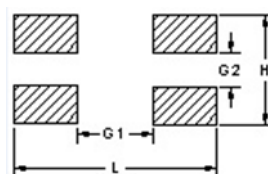


## 2. Dimension



BOTTOM view

### Recommended PC Board Pattern

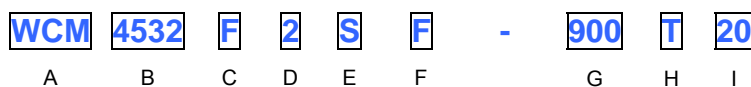


PC board should be designed so that products can prevent damage from mechanical stress when warping the board.  
Products shall be positioned in the sideways direction against the mechanical stress to prevent failure.

Series	A(mm)	B(mm)	C(mm)	D1(mm)	D2(mm)	L(mm)	H(mm)	G1(mm)	G2(mm)
4532F2SF	4.5±0.2	3.2±0.2	2.8±0.2	1.0±0.1	1.2±0.1	4.8	3.8	2.5	0.7

Units: mm

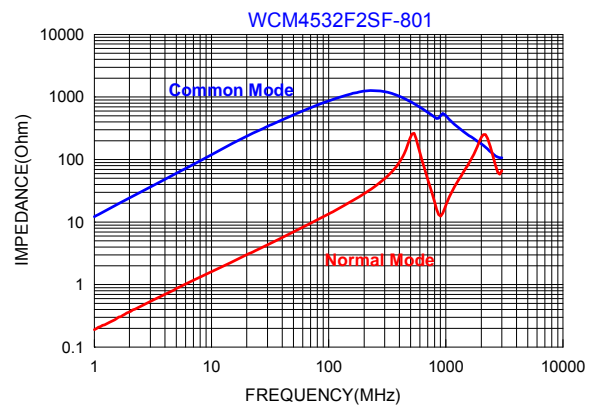
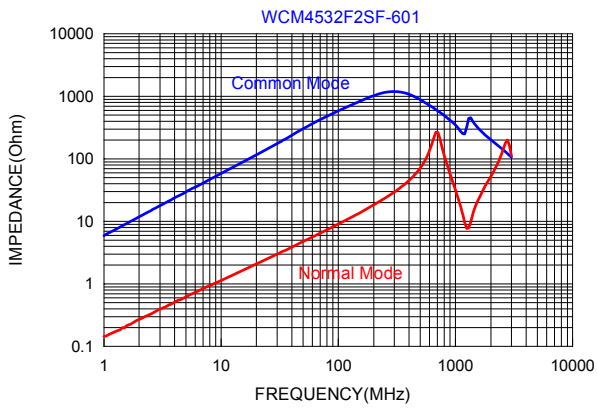
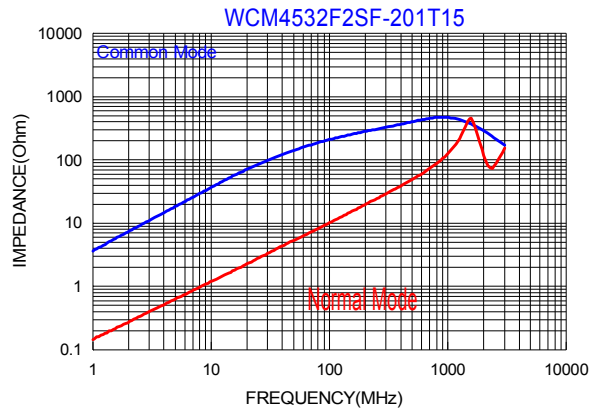
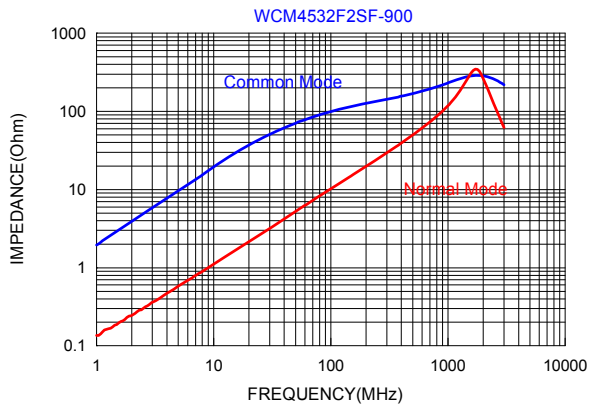
## 3. Part Numbering



- A: Series  
 B: Dimension  
 C: Material            Ferrite Core  
 D: Number of Lines    2=2 lines  
 E: Type                 S=Shielded , N=Unshielded  
 F: Lead free  
 G: Impedance            900=90Ω  
 H: Packaging             T=Taping and Reel  
 I: Rated Current         20=2000mA

## 4. Specification

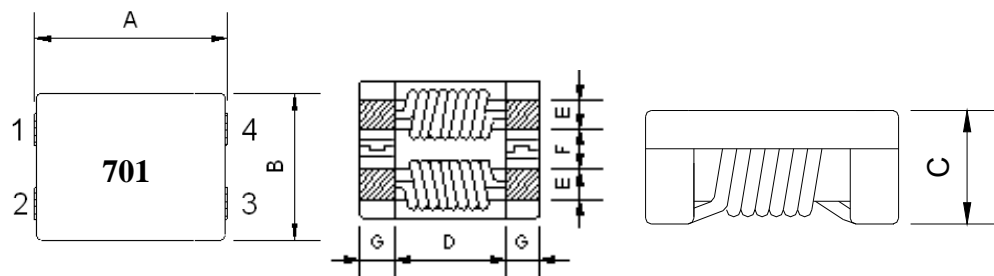
TAI-TECH Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc) max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
WCM4532F2SF-900T20	90±25%	100	0.05	2000	50	125	10M
WCM4532F2SF-201T15	200±25%	100	0.10	1500	50	125	10M
WCM4532F2SF-601T15	600±25%	100	0.24	1500	50	125	10M
WCM4532F2SF-801T10	800±25%	100	0.24	1000	50	125	10M



## 1. Features

1. 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



A: Series  
 B: Dimension  
 C: Material                      Ferrite Core  
 D: Process                        Assembled  
 E: Type                            S=Shielded , N=Unshielded  
 F: Lead free  
 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.					
WCM7060FASF-400-M	40	70	100	5	15	80	10
WCM7060FASF-101-M	100	140	100	10	9	80	10
WCM7060FASF-301-M	225	300	100	10	5	80	10
WCM7060FASF-501-M	400	500	100	10	5	80	10
WCM7060FASF-601-M	500	700	100	15	4	80	10
WCM7060FASF-701-M	500	700	100	15	4	80	10
WCM7060FASF-102-M	800	1020	100	17	3	80	10
WCM7060FASF-132-M	910	1300	100	20	3	80	10

Note:

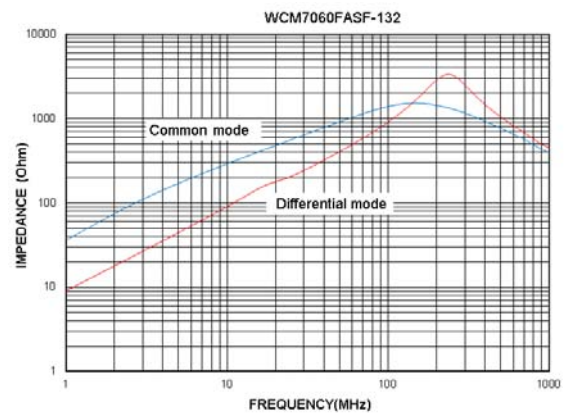
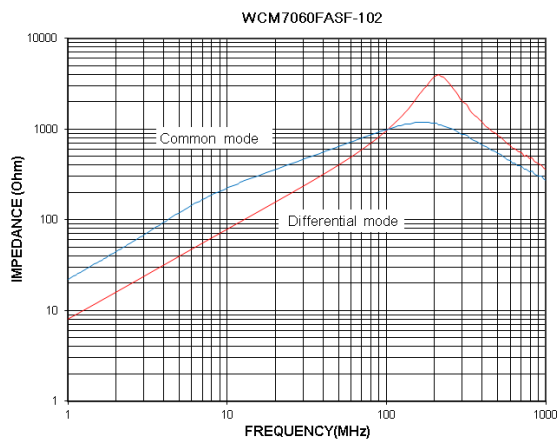
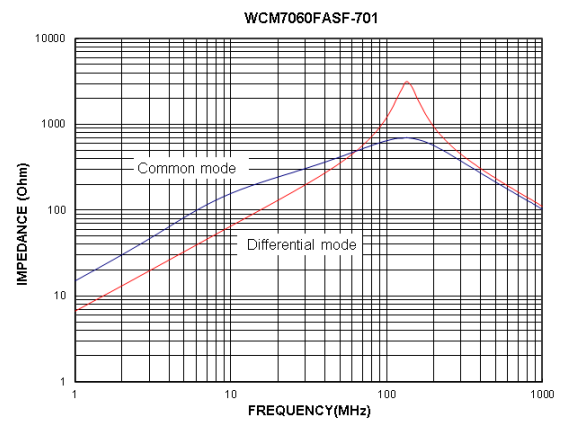
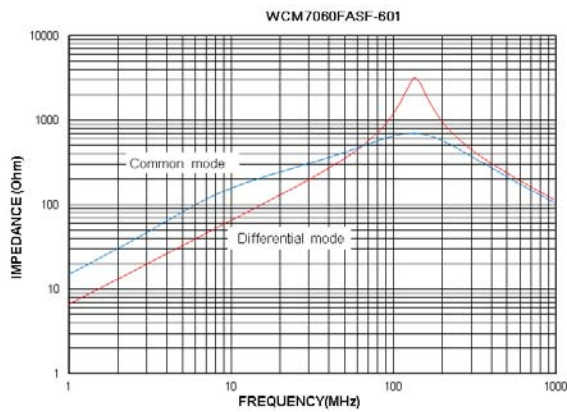
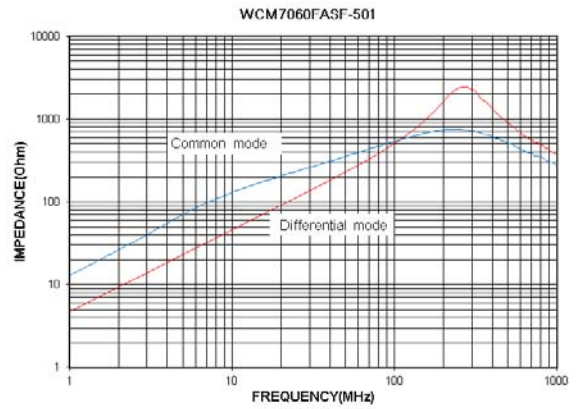
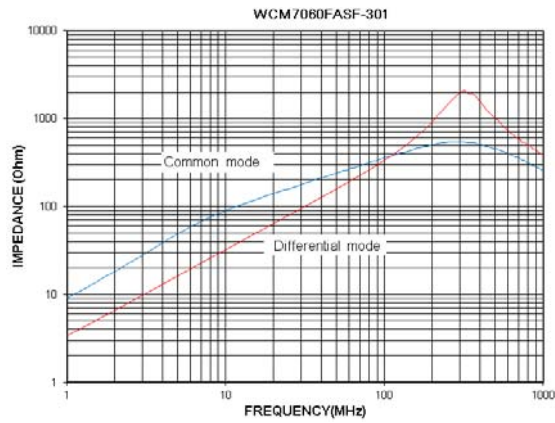
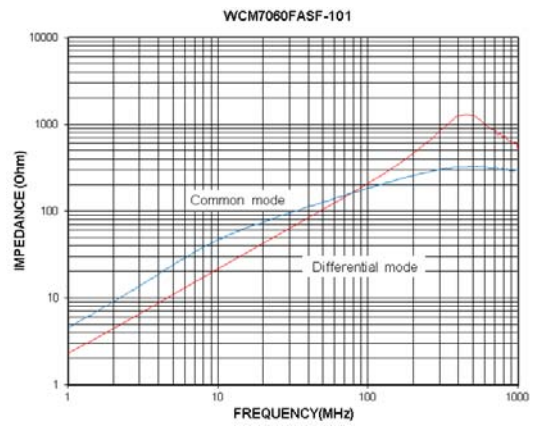
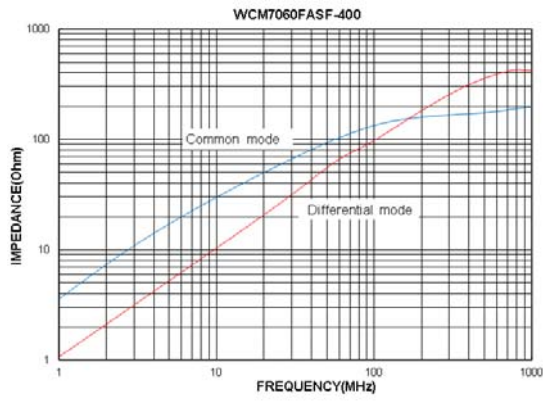
Measurement board data

Material : FR4

Board dimensions : 100 X 50 X 1.6t mm

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

Pattern thickness : 50 μm



# Wire Wound Type Common Mode Filter WCM453220F2SF-SERIES-HI

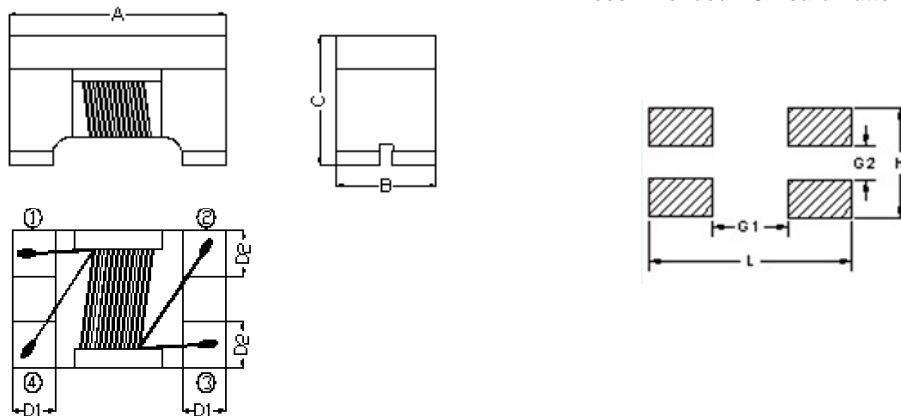
## 1. Features

1. High common mode impedance at high frequency cause excellent noise suppression performance.
2. WCM453220F2SF 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)



## 2. Dimension

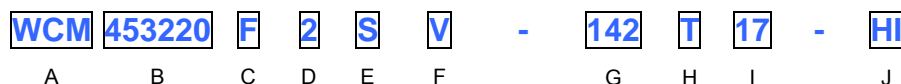
Recommended PC Board Pattern



Series	A(mm)	B(mm)	C(mm)	D1(mm)	D2(mm)	L(mm)	H(mm)	G1(mm)	G2(mm)
453220F2SF	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



- A: Series  
 B: Dimension  
 C: Material            Ferrite Core  
 D: Number of Lines    2=2 lines  
 E: Type                 S=Shielded , N=Unshielded  
 F: Lead free  
 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.
WCM453220F2SF-231T30-HI	180 min	230 typ.	100	0.050	3000	50	125	10M
WCM453220F2SF-421T28-HI	300 min	420 typ.	100	0.055	2800	50	125	10M
WCM453220F2SF-901T23-HI	650 min	900 typ.	100	0.060	2300	50	125	10M
WCM453220F2SF-142T17-HI	1000 min.	1400 typ.	100	0.090	1700	50	125	10M

