

# Wire Wound Type Common Mode Filter

WCM453220F2SF-SERIES-HI

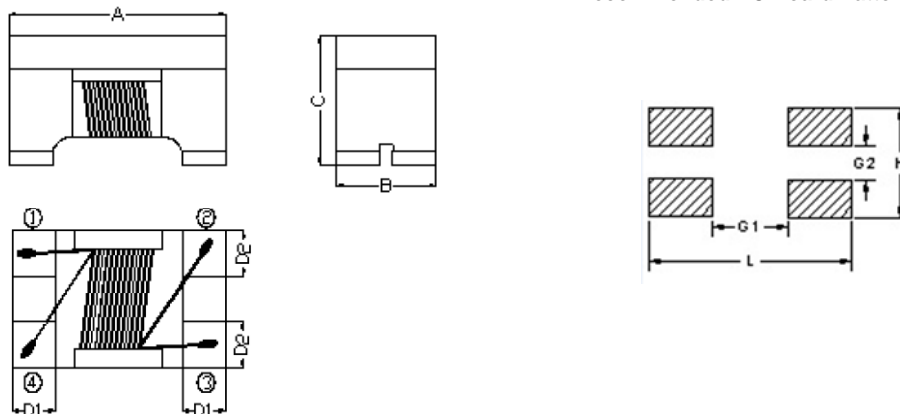
## 1. Features

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

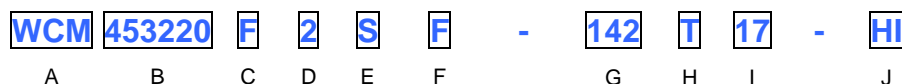
### Recommended PC Board Pattern



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.
	180 min	230 typ.						
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

