

Wire Wound Type Common Mode Filter WCM453220F2SV-SERIES-HI

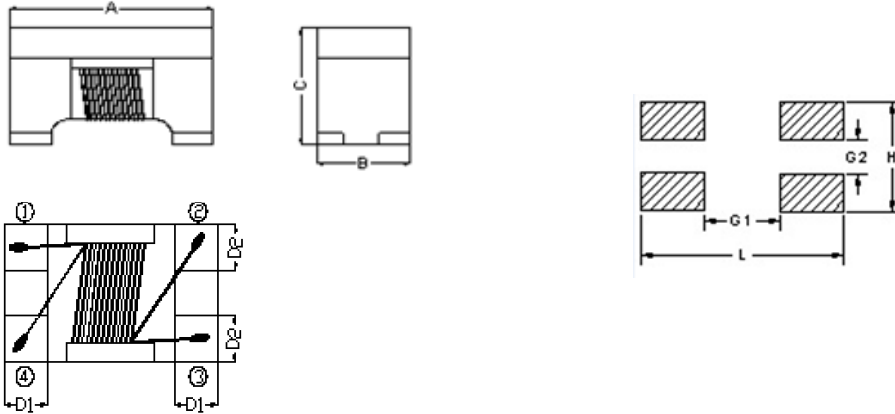
1. Features

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

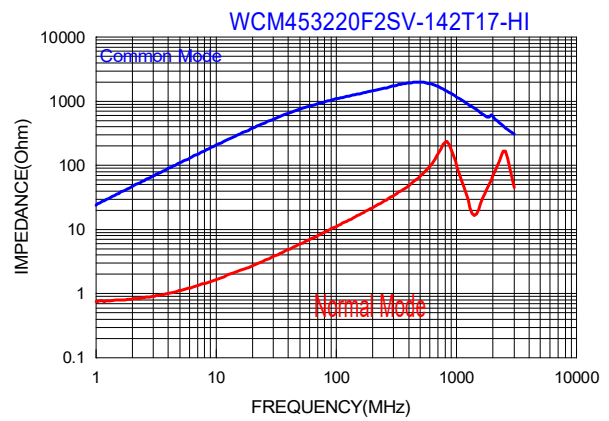
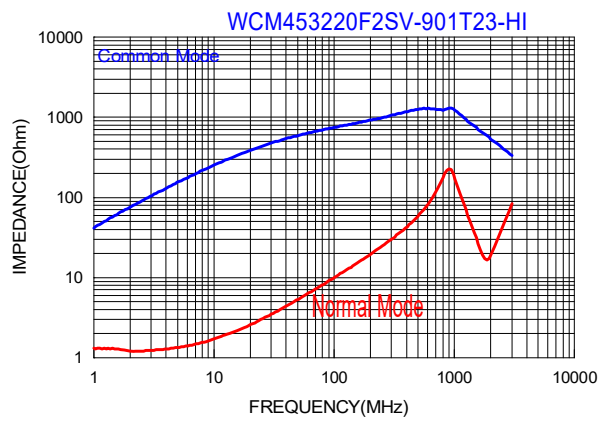
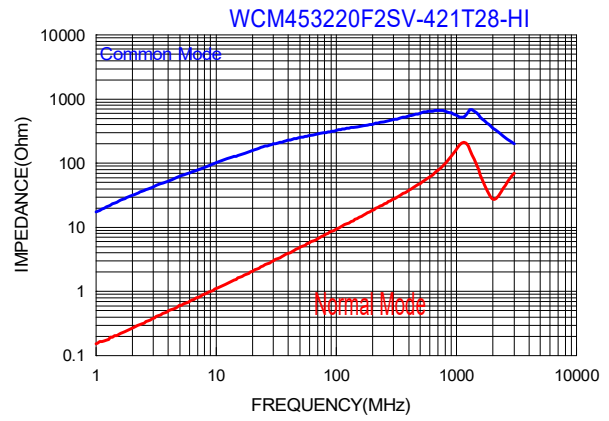
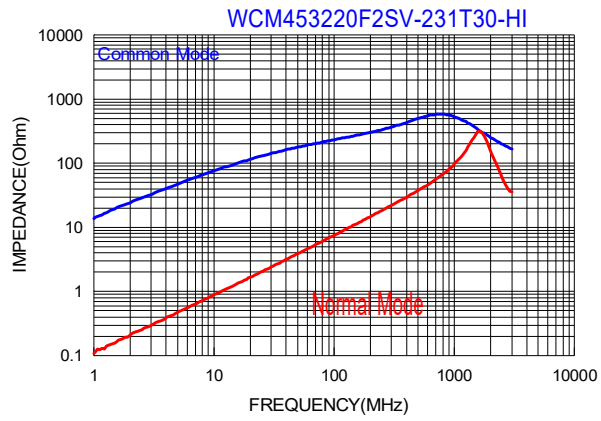
3. Part Numbering



- 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 |



5. Schematic Diagram

