

# Wire Wound Type Common Mode Filter

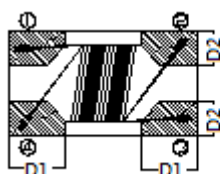
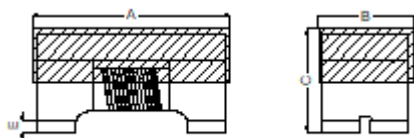
WCM1608F2SNF-SERIES

## 1. Features

1. High common mode impedance at high frequency cause excellent noise suppression performance.
2. WCM1608F2SNF series realizes small size and low profile. 1.6x0.8x1.1 mm.
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
4. Operating temperature-40~+125°C (Including self - temperature rise)



## 2. Dimension



| Series    | A(mm)     | B(mm)     | C(mm)     | D1(mm)   | D2(mm)   | E(mm)     |
|-----------|-----------|-----------|-----------|----------|----------|-----------|
| 1608F2SNF | 1.60±0.15 | 0.85±0.15 | 1.10±0.15 | 0.30Typ. | 0.30Typ. | 0.03 min. |

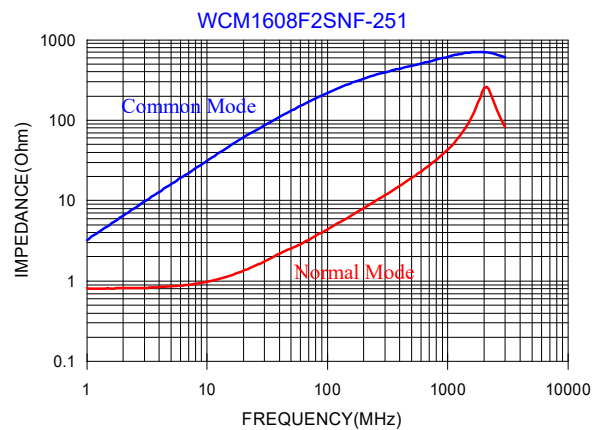
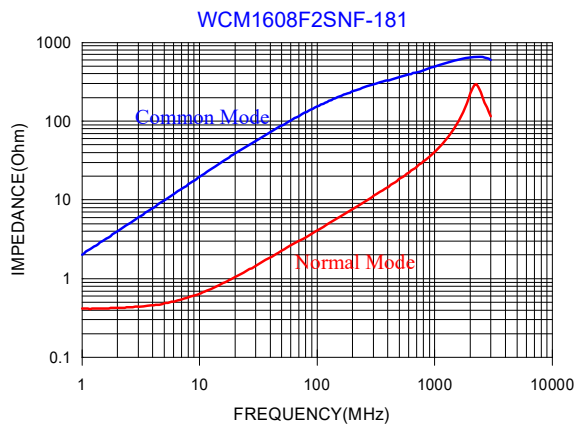
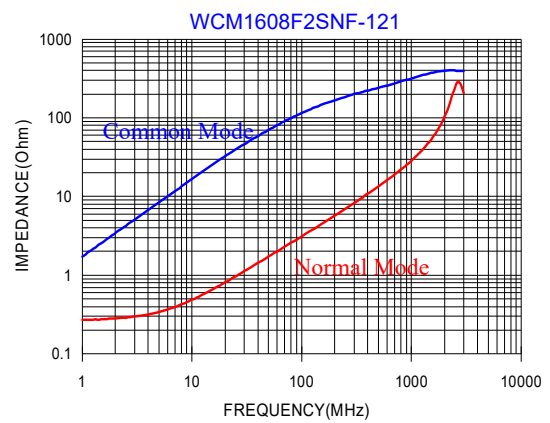
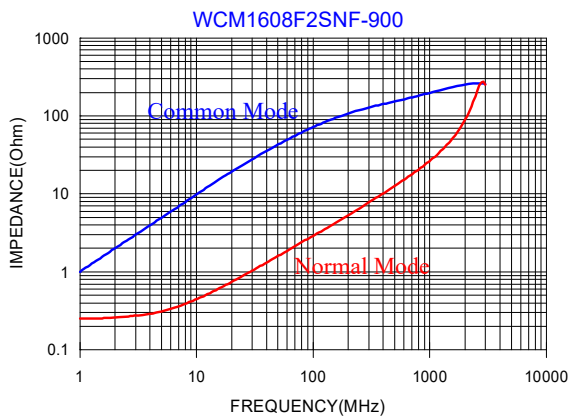
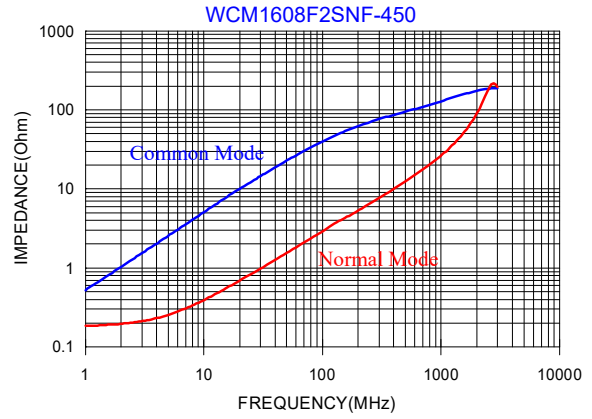
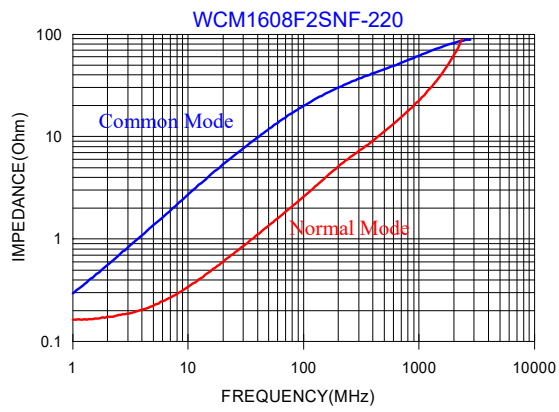
## 3. Part Numbering



- 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 05=550mA

## 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. |
|----------------------|---------------------------|----------------------|------------------------|------------------------|------------------------|----------------------------|-------------|
| WCM1608F2SNF-220T05  | 22±25%                    | 100                  | 0.080                  | 500                    | 50                     | 125                        | 10M         |
| WCM1608F2SNF-450T05  | 45±25%                    | 100                  | 0.110                  | 500                    | 50                     | 125                        | 10M         |
| WCM1608F2SNF-900T05  | 90±25%                    | 100                  | 0.145                  | 550                    | 50                     | 125                        | 10M         |
| WCM1608F2SNF-121T04  | 120±25%                   | 100                  | 0.175                  | 450                    | 50                     | 125                        | 10M         |
| WCM1608F2SNF-181T05  | 180±25%                   | 100                  | 0.210                  | 500                    | 50                     | 125                        | 10M         |
| WCM1608F2SNF-251T04  | 250±25%                   | 100                  | 0.280                  | 400                    | 50                     | 125                        | 10M         |



### 5. Schematic Diagram

