

# Wire Wound Type Common Mode Filter

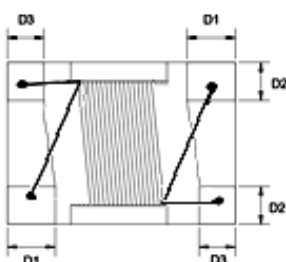
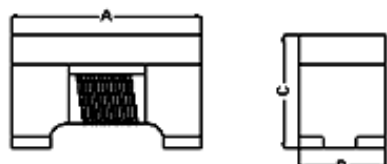
ACM4532F2NV-SERIES-D

## 1. Features

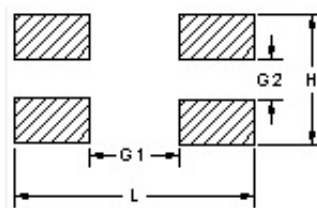
1. High common mode impedance at high frequency effects excellent noise suppression performance.
2. ACM4532F2NV series realizes small size and low profile. 4.5x3.2x2.8 mm.
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
4. High reliability -Reliability tests comply with AEC-Q200
5. Operating temperature -55~+150°C (Including self - temperature rise)



## 2. Dimension



Recommended PC Board Pattern



| Series   | A(mm)   | B(mm)   | C(mm)   | D1(mm)   | D2(mm)   | D3(mm)   | L(mm) | H(mm) | G1(mm) | G2(mm) |
|----------|---------|---------|---------|----------|----------|----------|-------|-------|--------|--------|
| 4532F2NV | 4.5±0.2 | 3.2±0.2 | 2.8±0.2 | 0.75±0.2 | 0.85±0.2 | 0.60±0.2 | 5.0   | 3.6   | 3.4    | 1.7    |

## 3. Part Numbering

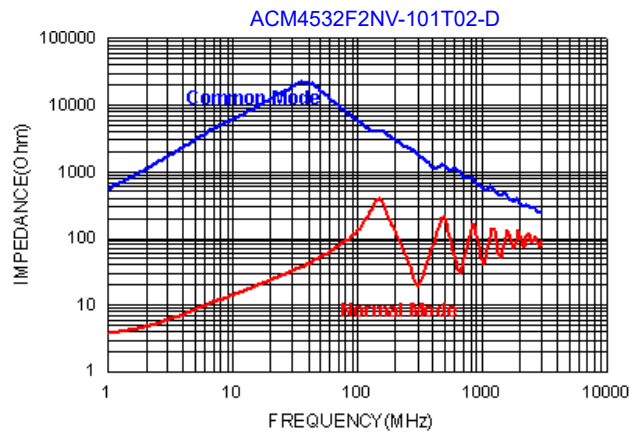
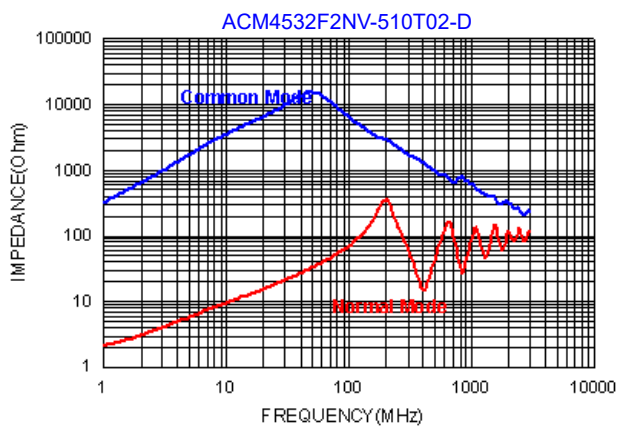
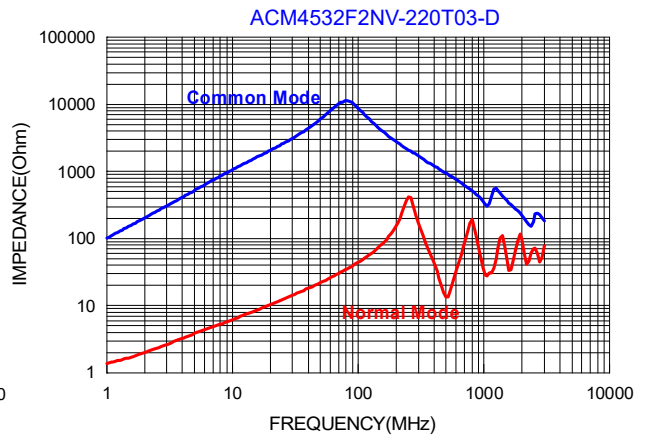
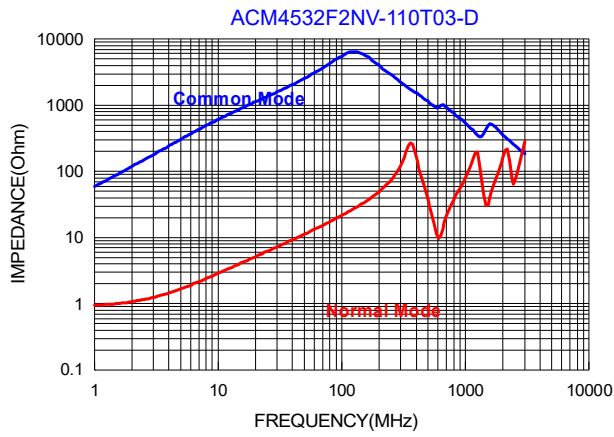
ACM
4532
F
2
N
V
-
101
T
02
-
D

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 N45  
 F: Category Code V=Vehicle  
 G: Inductance 101=100uH  
 H: Packaging T=Taping and Reel  
 I: Rated Current 02=200mA  
 J: Control S/N

## 4. Specification

| TAI-TECH Part Number | Common mode Impedance (Ω) [10MHz] |           | Inductance (μH)+50/-30% [100kHz/0.1V] | DC Resistance (Ω) max. | Rated Current (mA) | Rated Volt. (Vdc) | IR (MΩ) min. |
|----------------------|-----------------------------------|-----------|---------------------------------------|------------------------|--------------------|-------------------|--------------|
| ACM4532F2NV-110T03-D | 300 min.                          | 600 typ.  | 11                                    | 0.6                    | 360                | 50                | 10           |
| ACM4532F2NV-220T03-D | 500 min.                          | 1200 typ. | 22                                    | 1.0                    | 310                | 50                | 10           |
| ACM4532F2NV-510T02-D | 1000 min.                         | 2800 typ. | 51                                    | 1.0                    | 230                | 50                | 10           |
| ACM4532F2NV-101T02-D | 2000 min.                         | 5800 typ. | 100                                   | 2.0                    | 200                | 50                | 10           |



### 5. Schematic Diagram

