

Wire Wound Type Common Mode Filter

ACM6545F2NV-101-T

1. Features

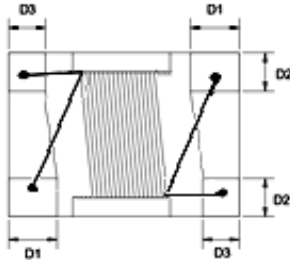
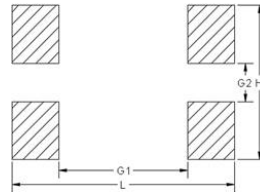
- 100BASE PoDL common mode choke.
- ACM6545F2N series realizes small size and low profile. 6.5x4.5x2.8 mm.
- 100% Lead (Pb) & Halogen-Free and RoHS compliant.
- High reliability -Reliability tests comply with AEC-Q200
- Operating temperature-40~+125°C (Including self - temperature rise)



2. Dimension

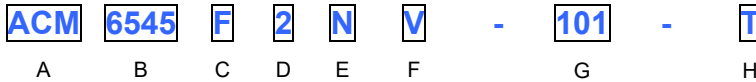


Recommended PC Board Pattern



| Series | A(mm) | B(mm) | C(mm) | D1(mm) | D2(mm) | D3(mm) | L(mm) | H(mm) | G1(mm) | G2(mm) |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-------|-------|--------|--------|
| ACM6545F2N | 6.50±0.30 | 4.50±0.20 | 2.70±0.20 | 0.88±0.20 | 0.90±0.20 | 0.76±0.15 | 7.20 | 4.60 | 5.08 | 2.60 |

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: Inductance 101=100uH
- H: Twist

4. Specification

| TAI-TECH Part Number | Inductance (uH) | Insertion loss (dB Max) | | Return Loss (dB Min) | | | Common Mode Rejection (dB Min) | | | | Differential to Common Mode Rejection (dB Min) | | | Current Rating (mA)Max |
|----------------------|-----------------|-------------------------|----------|----------------------|--------|--------|--------------------------------|--------|------------|--------------|--|---------|----------|------------------------|
| | | 100 MHz | 1-60 MHz | 1-10 MHz | 30 MHz | 60 MHz | 1 MHz | 10 MHz | 60-100 MHz | 200-1000 MHz | 1-10 MHz | 100 MHz | 1000 MHz | |
| ACM6545F2NV-101-T | 100 typ. | -3.0dB | -1.0dB | -28 dB | -23 dB | -18 dB | -18 dB | -35 dB | -43 dB | -30 dB | -70 dB | -50 dB | -25 dB | 350 |

5. Schematic Diagram

