



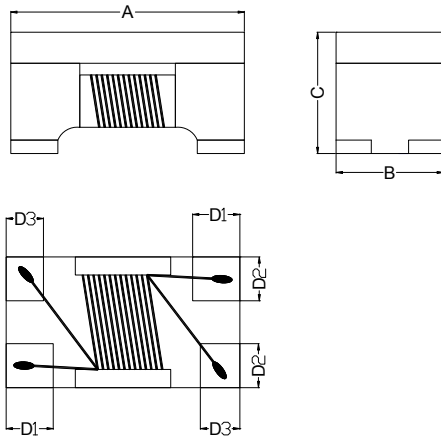
PRODUCT IDENTIFICATION

| | | | |
|-------------|-------------|-------------------|------------|
| SACM | 4532 | - | 510 |
| | | | |
| Type | Size | Inductance | |

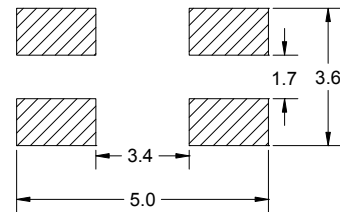
FEATURES

1. High common mode impedance at high frequency effects excellent noise suppression performance.
2. SACM4532 series realizes small size and low profile. 4.5x3.2x2.8 mm.
3. 100% Lead (Pb) & Halogen-Free and RoHS compliant.
4. Operating temperature-40~+150°C (Including self - temperature rise)

DIMENSIONS (mm)



Recommended PC Board Pattern

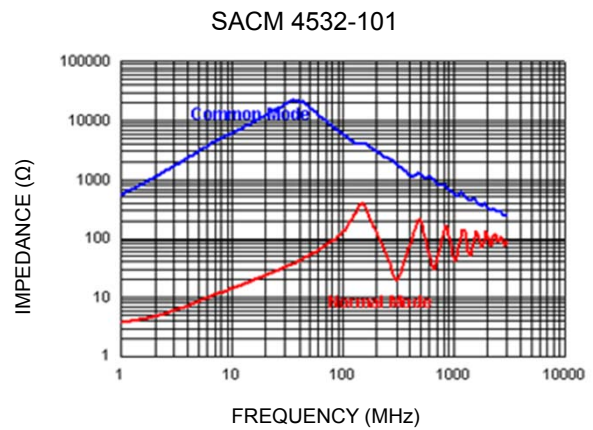
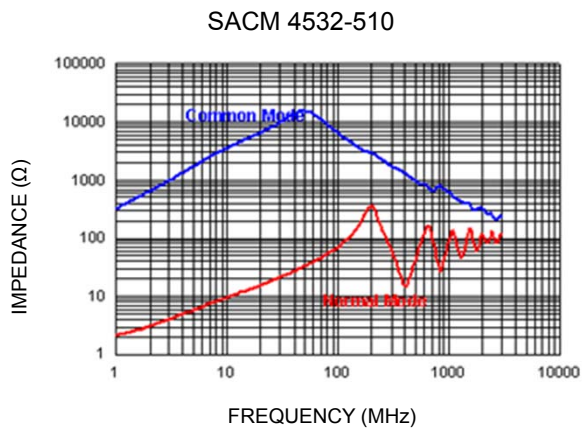
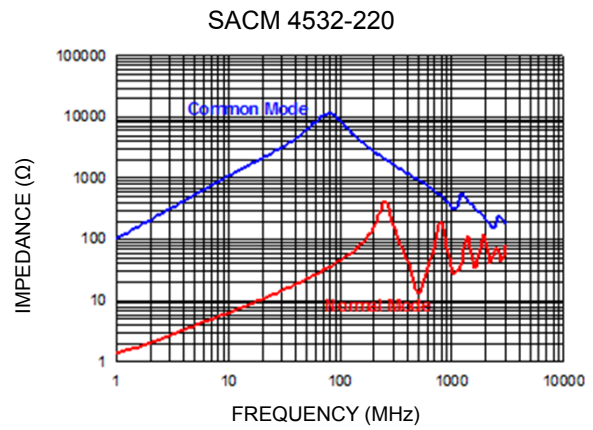
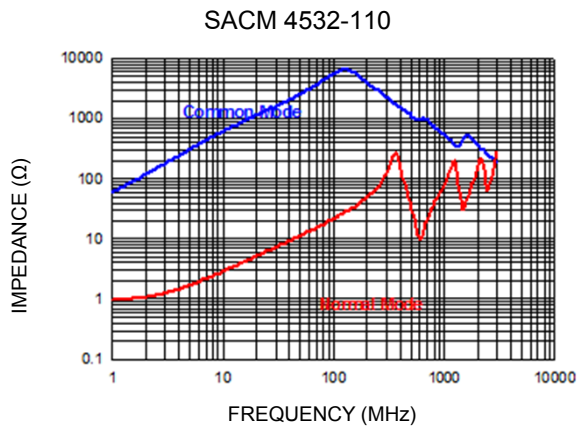


| Part No. | Size (mm) | | | | | |
|-----------|-----------|-----------|-----------|------------|------------|-----------|
| | A | B | C | D1 | D2 | D3 |
| SACM 4532 | 4.5 ± 0.2 | 3.2 ± 0.2 | 2.8 ± 0.2 | 0.75 ± 0.2 | 0.85 ± 0.2 | 0.6 ± 0.2 |

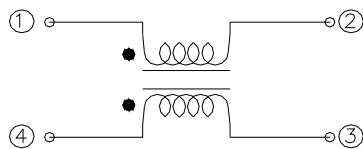
SERIES LIST

| No. | Part No. | Common mode Impedance (Ω) 10MHz | | Inductance (μH) 100KHz/0.1V +50/-30% | RDC (Ω) max. | Rated Current (mA) max. | Rated Volt. (Vdc) max. | Insulation Resistance (MΩ) min. |
|-----|---------------|------------------------------------|------|--------------------------------------------|-----------------|----------------------------|---------------------------|------------------------------------|
| | | min. | typ. | | | | | |
| 1 | SACM 4532-110 | 300 | 600 | 11 | 0.6 | 360 | 50 | 10 |
| 2 | SACM 4532-220 | 500 | 1200 | 22 | 1.0 | 310 | 50 | 10 |
| 3 | SACM 4532-510 | 1000 | 2800 | 51 | 1.0 | 230 | 50 | 10 |
| 4 | SACM 4532-101 | 2000 | 5800 | 100 | 2.0 | 200 | 50 | 10 |

Typical Impedance v.s. Frequency Curve

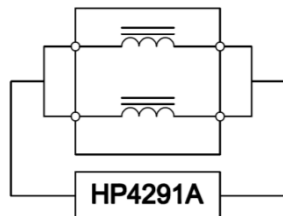


Schematic Diagram

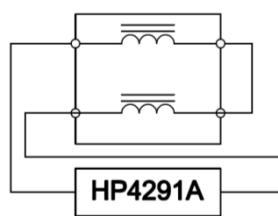


MEASURING CIRCUITS 2LINE

Common mode

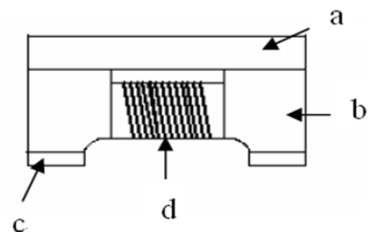


Differential mode



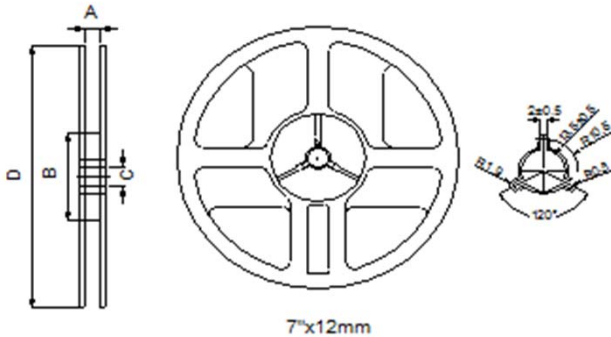
Materials

| No. | Description | Specification |
|-----|-------------|----------------------|
| a | Upper Plate | Ferrite |
| b | Core | Ferrite Core |
| c | Termination | Ag/Ni/Sn |
| d | Wire | Enameled Copper Wire |



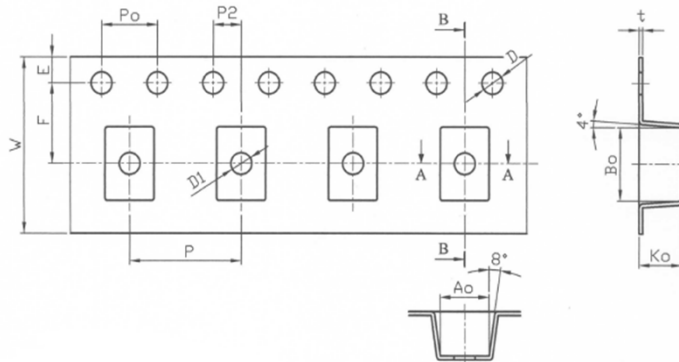
Packaging Information

• Reel Dimension



| Type | A(mm) | B(mm) | C(mm) | D(mm) |
|---------|----------|-------|----------|-------|
| 7"x12mm | 13.5±0.5 | 60±2 | 13.5±0.5 | 178±2 |

• Tape Dimension



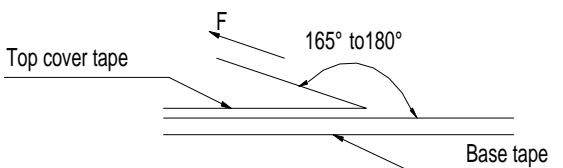
| Ao(mm) | Bo(mm) | Ko(mm) | W(mm) | P(mm) | Po(mm) | P2(mm) | D(mm) | D1(mm) | E(mm) | F(mm) | t(mm) |
|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|---------------|---------------|---------------|---------------|
| 3.60 ±0.10 | 4.90 ±0.10 | 3.00 ±0.10 | 12.00 ±0.10 | 8.00 ±0.10 | 4.00 ±0.10 | 2.00 ±0.05 | 1.50 +0.10 -0.00 | 1.50 ±0.10 | 1.75 ±0.10 | 5.50 ±0.05 | 0.26 ±0.05 |

• Packaging Quantity

| Size | Reel | Inner Box | Middle Box | Carton |
|-----------|------|-----------|------------|--------|
| SACM 4532 | 500 | 2000 | 10000 | 20000 |

• Tearing Off Force

The force for tearing off cover tape is 15 to 80 grams in the arrow direction under the following conditions.



| Room Temp. (°C) | Room Humidity (%) | Room atm (hPa) | Tearing Speed mm/min |
|--------------------|----------------------|-------------------|-------------------------|
| 5~35 | 45~85 | 860~1060 | 300 |

■ Application Notice

- Storage Conditions(component level)

To maintain the solderability of terminal electrodes:

1. Products meet IPC/JEDEC J-STD-020D standard-MSL, level 1.
2. Temperature and humidity conditions: Less than 40°C and 60% RH.
3. Recommended products should be used within 12 months form the time of delivery.
4. The packaging material should be kept where no chlorine or sulfur exists in the air.

- Transportation

1. Products should be handled with care to avoid damage or contamination from perspiration and skin oils.
2. The use of tweezers or vacuum pick up is strongly recommended for individual components.
3. Bulk handling should ensure that abrasion and mechanical shock are minimized.