

SMD Wire Wound Common Mode Filters---SCM Series



Feature

- Compact Size
- High impedance but very high rated current and low RDC.
- Wide impedance range for EMI suppression
- RoHS compliant.
- Operating temperature range $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$.

Application

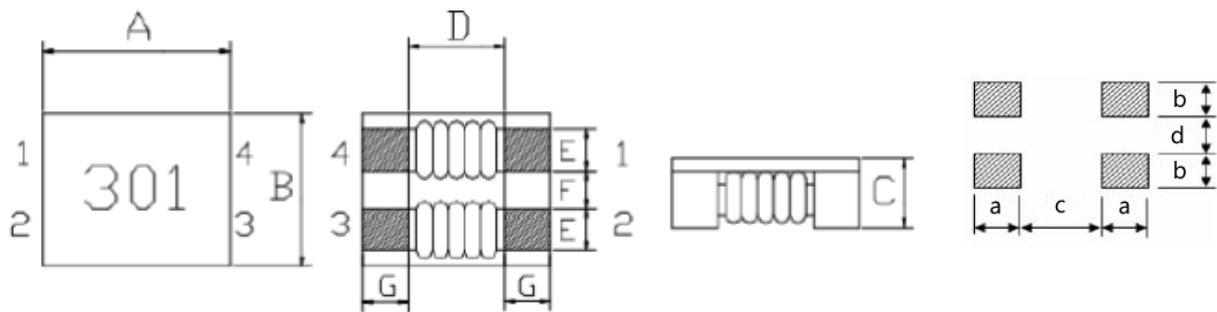
- EMI suppression for Power lines.
- Communications, Computers, Noise suppression, etc.
- CAN BUS.

Production identification

$\frac{\text{SCM}}{\text{①}}$ $\frac{\text{7060}}{\text{②}}$ - $\frac{\text{701}}{\text{③}}$ $\frac{\text{T}}{\text{④}}$

- ① Series name: SMD Common Mode Choke
- ② Size: 7.0×6.0×3.8mm
- ③ Impedance: 700Ω
- ④ Taping Code

Series Shape and Dimensions (Unit:mm)

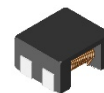


| Series | A | B | C _{Max} | D _{Typ} | E _{Typ} | F _{Typ} | G _{Typ} | a | b | c | d | SPQ |
|---------|----------|----------|------------------|------------------|------------------|------------------|------------------|-----|------|-----|-----|------|
| SCM7060 | 7.0±0.5 | 6.0±0.5 | 3.8 | 3.5 | 1.5 | 1.5 | 1.75 | 2.2 | 1.5 | 2.5 | 1.5 | 1500 |
| SCM9070 | 9.0±0.5 | 7.0±0.5 | 4.8 | 5.7 | 1.5 | 2.0 | 1.70 | 3.0 | 1.75 | 5.0 | 1.5 | 1500 |
| SCM1211 | 12.0±0.5 | 10.8±0.5 | 6.4 | 7.0 | 2.7 | 2.5 | 2.5 | 2.7 | 2.9 | 6.8 | 2.3 | 1000 |

Electrical Characteristics

| Part Number | Impedance@100 MHz(Ω) | | Rated Voltage Max(Vdc) | Insulation Resistance Min(MΩ) | DC Resistance Max(mΩ) | Rated Current Max(A) |
|--------------|----------------------|------|------------------------|-------------------------------|-----------------------|----------------------|
| | Min | Typ | | | | |
| SCM7060-301T | 225 | 300 | 80 | 10 | 10.0 | 5.0 |
| SCM7060-701T | 500 | 700 | 80 | 10 | 15.0 | 4.0 |
| SCM7060-102T | 800 | 1020 | 80 | 10 | 17.0 | 3.0 |
| SCM7060-132T | 910 | 1300 | 80 | 10 | 21.0 | 2.5 |

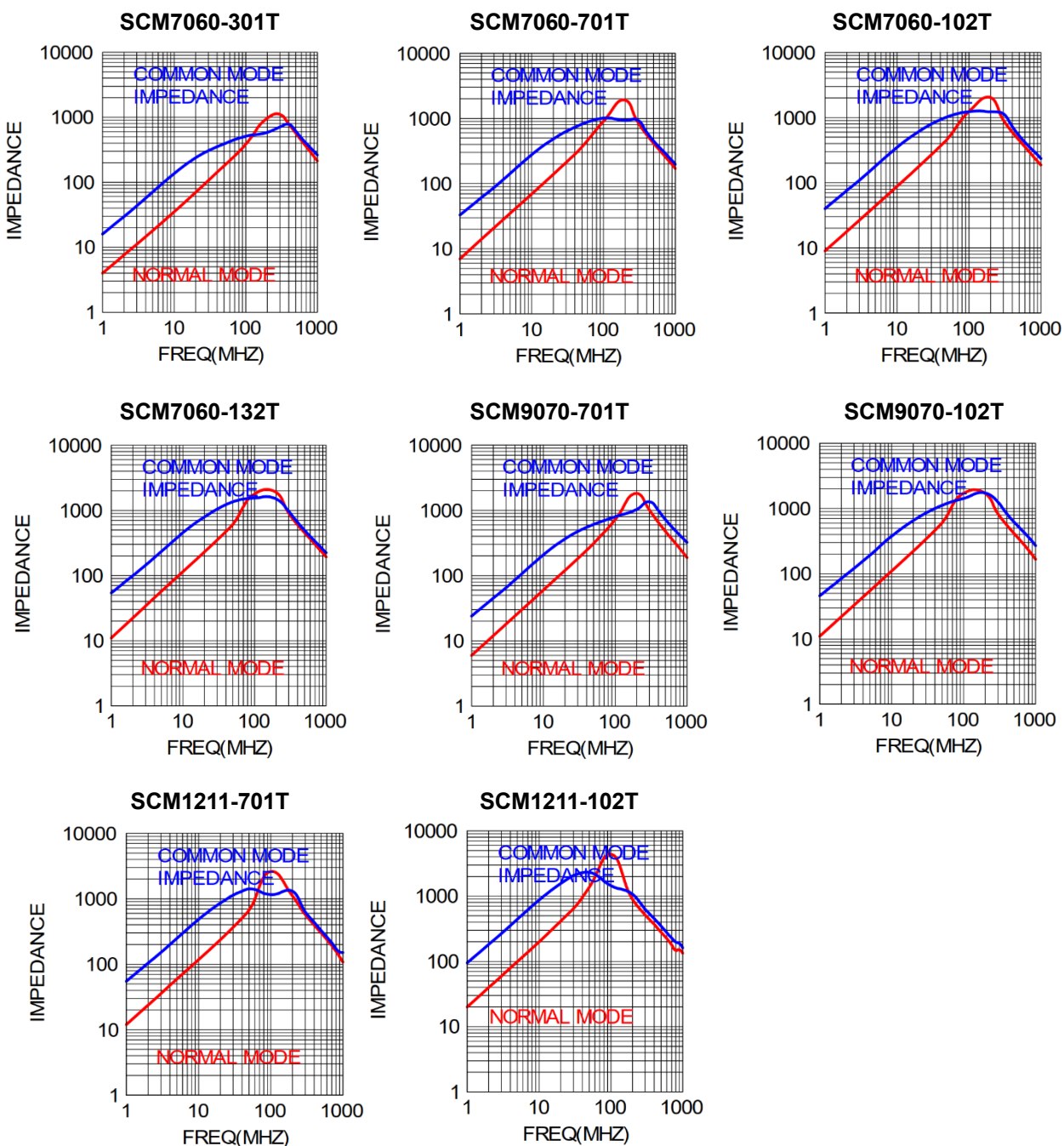
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Electrical Characteristics

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|--------------|-------------------------------|------|------------------------|--|--------------------------------|----------------------|
| | Min | Typ | | | | |
| SCM9070-701T | 500 | 700 | 50 | 10 | 10.0 | 5.0 |
| SCM9070-102T | 750 | 1000 | 50 | 10 | 13.0 | 4.0 |
| SCM1211-701T | 500 | 700 | 125 | 10 | 6.0 | 8.0 |
| SCM1211-102T | 750 | 1000 | 125 | 10 | 14.0 | 6.0 |

Typical Impedance vs. Frequency Curves



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