

## ► SMD Common Mode Choke ► SCM Series

### FEATURES

- SMD construction, and low profile.
- High Impedance and Excellent Frequency Characteristic.
- Self Electromagnetic Shielding.
- Low Magnetic Flux Leakage



### APPLICATIONS

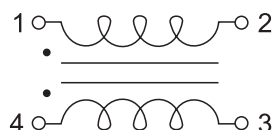
- LED Light, TV game, Monitor, etc. EMI common-mode noise.

### PRODUCT IDENTIFICATION

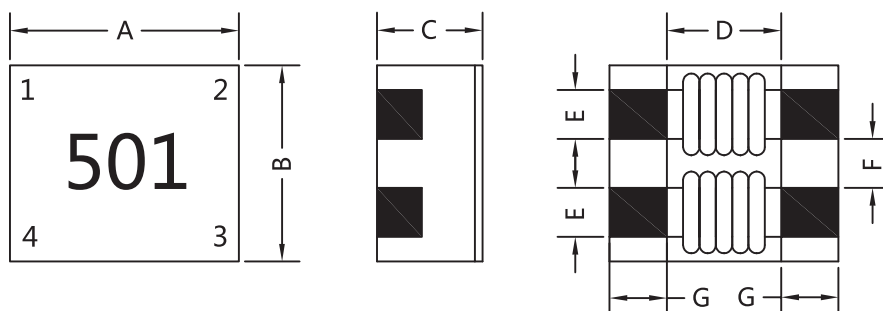
SCM 7060 – 151 T – 20  
a b c d e

- a : Series name  
b : Product dimensions  
c : Impedance Value (100:10; 101: 100)  
d : Packaging style (T: Taping; B: bulk)  
e : Rated Current (02:0.2A; 20:2A;100:10A)

### SCHEMATIC



### SHAPES AND DIMENSIONS Unit: mm



| Series  | A        | B        | C       | D       | E       | F       | G        |
|---------|----------|----------|---------|---------|---------|---------|----------|
| SCM7060 | 7.0±0.5  | 6.0±0.5  | 3.8 Max | 3.5 Ref | 1.5±0.2 | 1.5±0.2 | 1.75±0.2 |
| SCM9070 | 9.0±0.5  | 7.0±0.5  | 4.8 Max | 5.7 Ref | 1.5±0.2 | 2.0±0.2 | 1.70±0.2 |
| SCM1211 | 12.0±0.5 | 10.8±0.5 | 6.4 Max | 7.0 Ref | 2.7±0.2 | 2.5±0.2 | 2.50±0.2 |

## ELECTRICAL CHARACTERISTICS

| Part Number     | Z(Ω) at 100MHz |      | DCR max.<br>(mΩ) | I <sub>rated</sub> (A) | IR (mΩ)<br>Min | Rated Voltage<br>(V) Max |
|-----------------|----------------|------|------------------|------------------------|----------------|--------------------------|
|                 | Min            | Typ  |                  |                        |                |                          |
| SCM7060-400T150 | 40             | 70   | 5                | 15.0                   | 10             | 125                      |
| SCM7060-101T90  | 100            | 140  | 10               | 9.0                    | 10             | 125                      |
| SCM7060-301T50  | 225            | 300  | 10               | 5.0                    | 10             | 125                      |
| SCM7060-501T50  | 275            | 350  | 10               | 5.0                    | 10             | 125                      |
| SCM7060-701T40  | 500            | 700  | 15               | 4.0                    | 10             | 125                      |
| SCM7060-102T30  | 800            | 1020 | 17               | 3.0                    | 10             | 125                      |
| SCM7060-132T25  | 910            | 1300 | 21               | 2.5                    | 10             | 125                      |
| SCM7060-272T10  | 2000           | 2700 | 63               | 1.0                    | 10             | 125                      |
| SCM7060-302T09  | 2500           | 3000 | 75               | 0.9                    | 10             | 125                      |

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|----------------|----------------|------|------------------|------------------------|----------------|--------------------------|
|                | Min            | Typ  |                  |                        |                |                          |
| SCM9070-301T60 | 225            | 300  | 6                | 6.0                    | 10             | 50                       |
| SCM9070-501T55 | 450            | 600  | 8                | 5.5                    | 10             | 50                       |
| SCM9070-701T50 | 500            | 700  | 10               | 5.0                    | 10             | 50                       |
| SCM9070-102T40 | 750            | 1000 | 13               | 4.0                    | 10             | 50                       |
| SCM9070-222T25 | 1700           | 2200 | 60               | 2.5                    | 10             | 50                       |

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|-----------------|----------------|------|------------------|------------------------|----------------|--------------------------|
|                 | Min            | Typ  |                  |                        |                |                          |
| SCM1211-800T100 | 80             | 230  | 2.0              | 10.0                   | 10             | 125                      |
| SCM1211-701T80  | 500            | 700  | 6.0              | 8.0                    | 10             | 125                      |
| SCM1211-801T80  | 600            | 800  | 8.0              | 8.0                    | 10             | 125                      |
| SCM1211-102T60  | 750            | 1000 | 14.0             | 6.0                    | 10             | 125                      |
| SCM1211-222T18  | 2200           | 2500 | 35.0             | 1.8                    | 10             | 125                      |
| SCM1211-272T15  | 2300           | 2700 | 50.0             | 1.5                    | 10             | 125                      |

Note:

**I<sub>rated</sub>**: The DC current that causes the temperature rise ( $\Delta t=40^{\circ}\text{C}$ ) from  $20^{\circ}\text{C}$  ambient