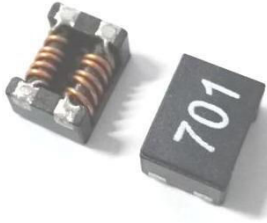


## Common Mode Chokes—CMC7060-1513 Series

### CMC Series



### Features

From big to small size SMD Design,  
Wire wound constructure common mode choke  
with best EMI suppression effect high impedance  
but very high rated current and low DCR

### Applications

Preventive measure against common mode noise  
radiation emissions from power line or else  
Best for high current circuit such as car,  
wireless charging and power device design.

### Product Identification

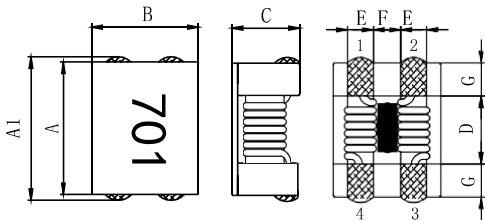
CMC XXXX - XXX  
For example:CMC7060-701

### General Specifications

Test frequency..... 100MHz  
Parameters Test Temp.....25℃  
Operation Temp.....-40℃ to +125℃  
(Including temperature Rise)  
Storage Temp..... 0~-40℃  
Storage Humidity..... <70% RH  
Resistance to Soldering Heat..... 260℃ for 10 sec  
Temperature Rise.....40℃ Typ. at Rated Current

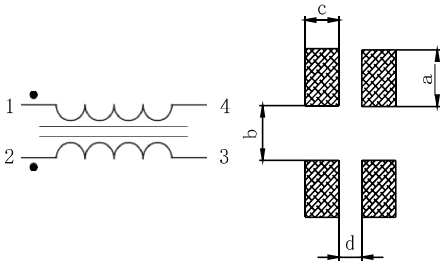
### Shape And Dimensions

### Dimensions In mm



| TYPE | A    | A1   | B    | C   | D   | E   | F   | G   | a   | b   | c   | d   |
|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|      | ±0.5 | ±0.6 | ±0.5 | Max | Ref | Ref | Ref | Ref | Ref | Ref | Ref | Ref |
| 7060 | 7.0  | 7.5  | 6.0  | 4.0 | 3.5 | 1.5 | 1.5 | 1.7 | 3.0 | 2.9 | 1.9 | 1.3 |
| 9070 | 9.0  | 9.5  | 7.0  | 5.0 | 5.7 | 1.5 | 2.0 | 1.7 | 3.0 | 5.0 | 2.0 | 1.8 |
| 1211 | 12.0 | 12.5 | 10.8 | 6.6 | 7.0 | 2.7 | 2.5 | 2.5 | 3.9 | 6.1 | 3.1 | 2.3 |
| 1513 | 15.0 | 15.5 | 13.0 | 6.3 | 9.0 | 2.7 | 3.8 | 3.0 | 4.2 | 8.2 | 3.1 | 3.2 |

### Electrical Schematic & PAD Layout



### Standard Specifications

| Stamp | Impedance (Ω)<br>100MHz | CMC7060         |                   | CMC9070         |                   | CMC1211         |                   | CMC1513         |                   |
|-------|-------------------------|-----------------|-------------------|-----------------|-------------------|-----------------|-------------------|-----------------|-------------------|
|       |                         | DCR (mΩ)<br>Max | Rated Current (A) | DCR (mΩ)<br>Max | Rated Current (A) | DCR (mΩ)<br>Max | Rated Current (A) | DCR (mΩ)<br>Max | Rated Current (A) |
| 400   | 40 Min                  | 5.0             | 15                |                 |                   |                 |                   |                 |                   |
| 800   | 80 Min                  |                 |                   |                 |                   | 4.0             | 10                |                 |                   |
| 101   | 100 Min                 | 10              | 9.0               |                 |                   |                 |                   |                 |                   |
| 301   | 225 Min                 | 10              | 5.0               | 6.0             | 6.0               |                 |                   | 5.0             | 13                |
| 501   | 400 Min                 | 10              | 5.0               | 8.0             | 5.5               |                 |                   |                 |                   |
| 551   | 450 Min                 |                 |                   |                 |                   |                 |                   | 6.0             | 10                |
| 701   | 500 Min                 | 15              | 4.0               | 10              | 5.0               | 6.0             | 8.0               | 7.0             | 10                |
| 102   | 750 Min                 | 17              | 3.0               | 13              | 4.0               | 14              | 6.0               |                 |                   |
| 132   | 910 Min                 | 21              | 2.5               |                 |                   |                 |                   |                 |                   |
| 222   | 1700 Min                |                 |                   | 60              | 2.5               | 35              | 1.8               |                 |                   |
| 272   | 2000 Min                | 63              | 1.0               | 65              | 2.0               | 50              | 1.5               |                 |                   |
| 302   | 2500 Min                | 75              | 0.9               | 70              | 1.9               |                 |                   |                 |                   |

\*Beyond the above specification also can meet the special requirements. Need detailed content Please to the website query or contact us.

