## Current Compensated Ring Core Double Chokes LCM7060-LCM1513-Series

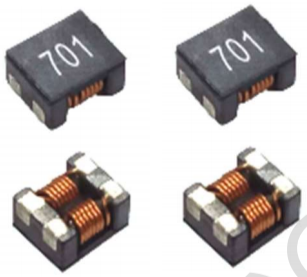
Features:

1、LCMrealizes big size and Hight current

2、High Impedance and Excellent Frequency Characteristic.

3、Self Electromagnetic Shielding.

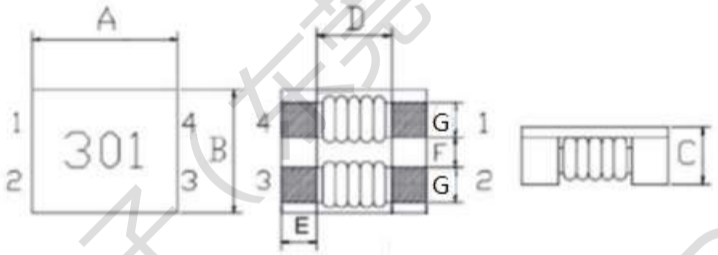
4、Low Magnetic Flux Leakage

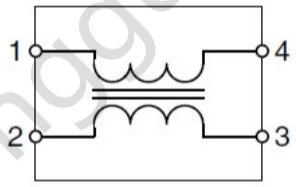



Applications:

Used for power line noise suppression for any electronic devices.
Used to counter adapter/battery line noise for relatively large electronic devices such as notebook PCs, stand-alone word processors,etc.

### 1.SHAPES AND DIMENSIONS Unit:mm

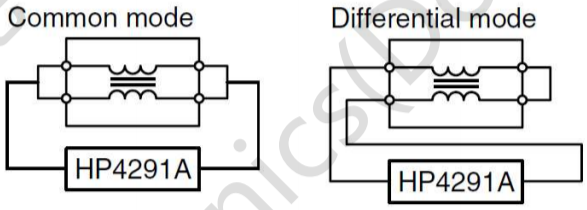



| PartNumber | A | B | C | D Typ | E(ref) | F(ref) | G(ref) |
|---|---|---|---|---|---|---|---|
| LCM7060 | 7.0±0.5 | 6.0±0.5 | 3.5±0.3 | 3.5 | 1.5 | 1.5 | 1.75 |
| LCM9070 | 9.5±0.5 | 7.0±0.5 | 5.0±0.3 | 5.5 | 1.75 | 2.0 | 1.75 |
| LCM1211 | 12.5±0.5 | 10.8±0.5 | 6.5MAX | 7.0 | 2.7 | 2.7 | 2.50 |
| LCM1513 | 15.5±0.5 | 13.0±0.5 | 6.8/MAX | 9.0 | 3.0 | 3.0 | 3.3 |

### 2.MEASURING CIRCUITS

- A chip-type common mode filter for large current applications. Common mode impedance surpasses 300 to 1000∧ at 100MHz. Noise is greatly suppressed.
- Capable of handling the highest current (up to 10A) of any chiptype common mode filter.
- Height and size have been considered, resulting in a compact and light-weight choke coil. Applicable for the miniaturization required to reduce the size and weight of portable equipment.
- The products contain no lead and also support lead-freesoldering.
- This product does not contain regulated substances that are slated to be included in RoHS.



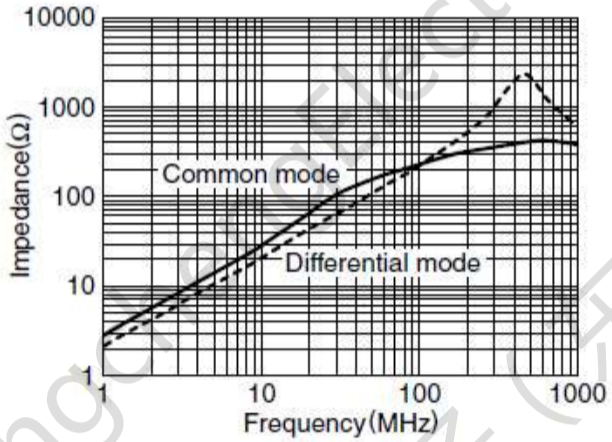
Current Compensated Ring Core Double Chokes LCM7060-LCM1513-Series

## 3.ELECTRICAL CHARACTERISTICS

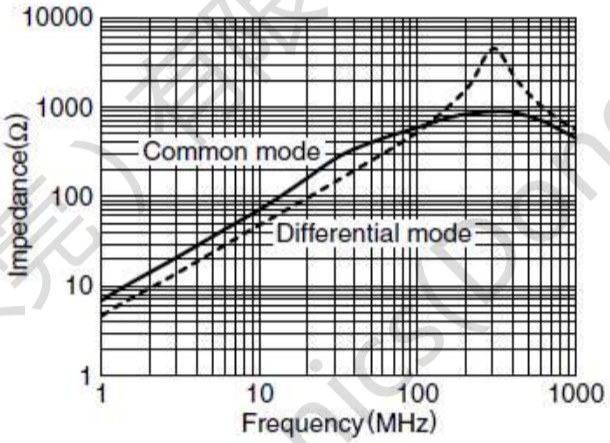
| PART Number | Z(Ω) at 100 MHz | | RDC(mΩ) max | Rated Curren (A)Max | IR (M Ω)Min | Rated Voltage Vdc(V) |
|---|---|---|---|---|---|---|
| | Min | TYP | | | | |
| LCM7060-101 | 100 | 140 | 10 | 9 | 10 | 80-125 |
| LCM7060-301 | 225 | 300 | 10 | 5 | 10 | |
| LCM7060-501 | 275 | 350 | 10 | 5 | 10 | |
| LCM7060-601 | 500 | 700 | 15 | 4 | 10 | |
| LCM7060-701 | 500 | 700 | 15 | 4 | 10 | |
| LCM7060-102 | 800 | 1020 | 17 | 3 | 10 | |
| LCM7060-132 | 910 | 1300 | 21 | 2.5 | 10 | |
| LCM7060-222 | 1700 | 2000 | 60 | 1.2 | 10 | |
| LCM7060-272 | 2000 | 2700 | 65 | 1.0 | 10 | |
| LCM7060-302 | 2200 | 3500 | 80 | 0.8 | 10 | |

4. **IMPEDANCE vs. FREQUENCY CHARACTERISTICS**

LCM7060-301




LCM7060-701

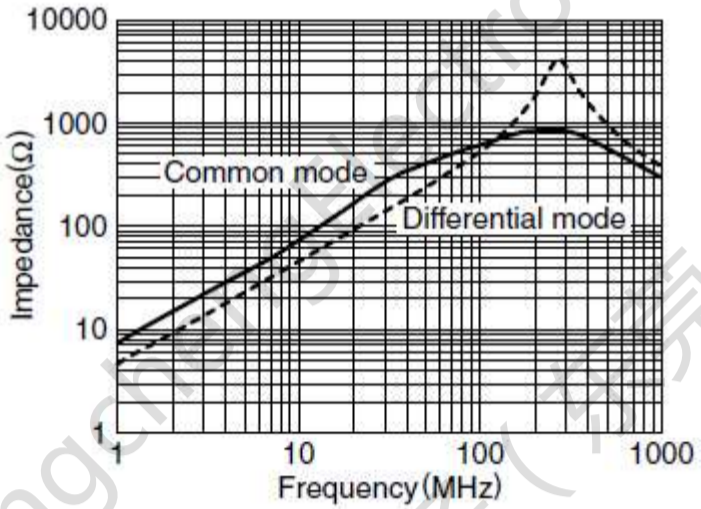


## 5.ELECTRICAL CHARACTERISTICS

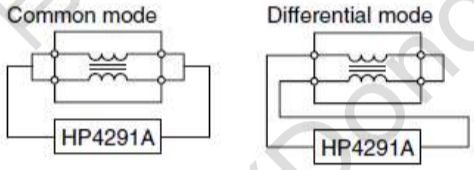
| PART Number | Z(Ω) at 100 MHz | | RDC(mΩ) Max | Rated Curren (A)Max | IR (M Ω)Min | Rated Voltage Vdc(V) |
|---|---|---|---|---|---|---|
| | Min | TYP | | | | |
| LCM9070-301 | 225 | 300 | 6.0 | 10.0 | 10 | 50-80 |
| LCM9070-501 | 450 | 600 | 8.0 | 8.0 | 10 | |
| LCM9070-701 | 500 | 700 | 10.0 | 6.0 | 10 | |
| LCM9070-102 | 750 | 1000 | 13.0 | 5.0 | 10 | |
| LCM9070-152 | 1000 | 1500 | 15.0 | 4.5 | 10 | |
| LCM9070-202 | 1500 | 2000 | 20.0 | 4.0 | 10 | |
| LCM9070-222 | 1700 | 2200 | 28.0 | 4.0 | 10 | |
| LCM9070-272 | 2000 | 2700 | 40.0 | 3.5 | 10 | |
| LCM9070-302 | 2400 | 3200 | 45.0 | 3.0 | 10 | |

## 6.IMPEDANCE vs. FREQUENCY CHARACTERISTICS

LCM9070-701




**MEASURING CIRCUITS**



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## 7.ELECTRICAL CHARACTERSTICS

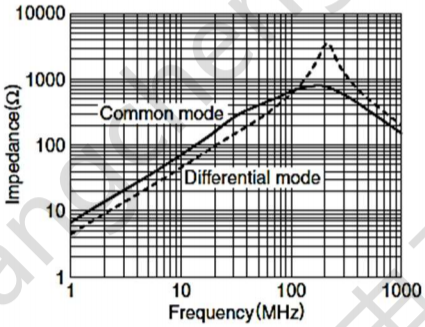
| PART Number | Z(Ω) at 100 MHz | | RDC(mΩ) Max | Rated Curren (A)Max | IR (M Ω)Min | Rated Voltage Vdc(V) |
|---|---|---|---|---|---|---|
| | Min | TYP | | | | |
| LCM1211-800 | 80 | 230 | 2.0 | 10.0 | 10 | 125 |
| LCM1211-701 | 500 | 700 | 6.0 | 8.0 | 10 | 125 |
| LCM1211-801 | 600 | 800 | 8.0 | 8.0 | 10 | 125 |
| LCM1211-102 | 750 | 1000 | 14.0 | 6.0 | 10 | 125 |
| LCM1211-222 | 2200 | 2500 | 35.0 | 1.8 | 10 | 125 |
| LCM1211-272 | 2300 | 2700 | 50.0 | 1.5 | 10 | 125 |

## 8.ELECTRICAL CHARACTERISTICS

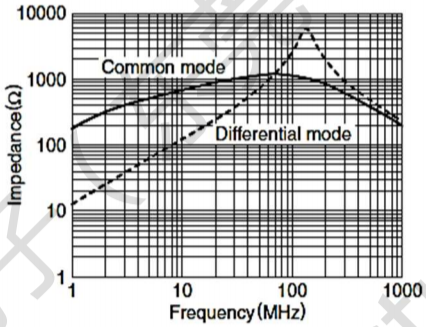
| PART Number | Z(Ω) at 100 MHz | | RDC(mΩ) Max | Rated Curren (A)Max | IR (M Ω)Min | Rated Voltage Vdc(V) |
|---|---|---|---|---|---|---|
| | Min | TYP | | | | |
| LCM1513-301 | 250 | 300 | 5.0 | 13 | 10 | 80 |
| LCM1513-551 | 450 | 550 | 6.0 | 10 | 10 | 80 |
| LCM1513-701 | 500 | 700 | 7.0 | 10 | 10 | 80 |
| LCM1513-102 | 800 | 1000 | 8.5 | 10 | 10 | 80 |
| LCM1513-152 | 1100 | 1500 | 9.0 | 8.0 | 10 | 80 |

## 9.IMPEDANCE vs. FREQUENCY CHARACTERISTICS

LCM1211-701




LCM1211-102




LCM1513-551