

Current Compensated Ring Core Double Chokes LCM4520-Series

Features:

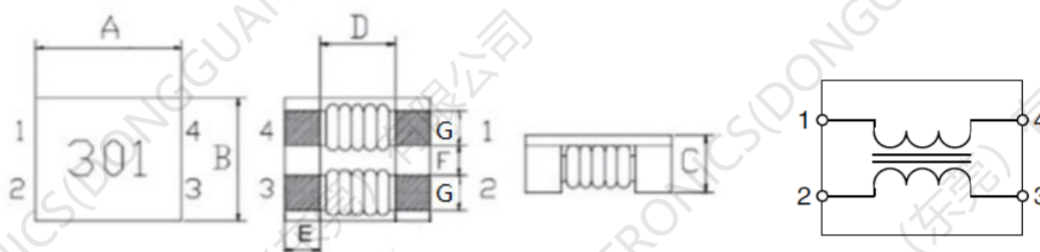
- 1、 LCMrealizes big size and High current
- 2、 High Impedance and Excellent Frequency Characteristic.
- 3、 Self Electromagnetic Shielding.
- 4、 Low Magnetic Flux Leakage

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.



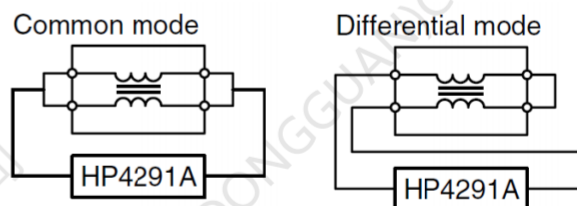
1.SHAPES AND DIMENSIONS Unit:mm



| PartNumber | A | B | C | D Typ | E(ref) | F(ref) | G(ref) |
|------------|----------|----------|---------|-------|--------|--------|--------|
| LCM4520 | 4.7±0.5 | 4.5±0.5 | 2.5MAX | 2.7 | 1.0 | 1.0 | 0.9 |
| 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

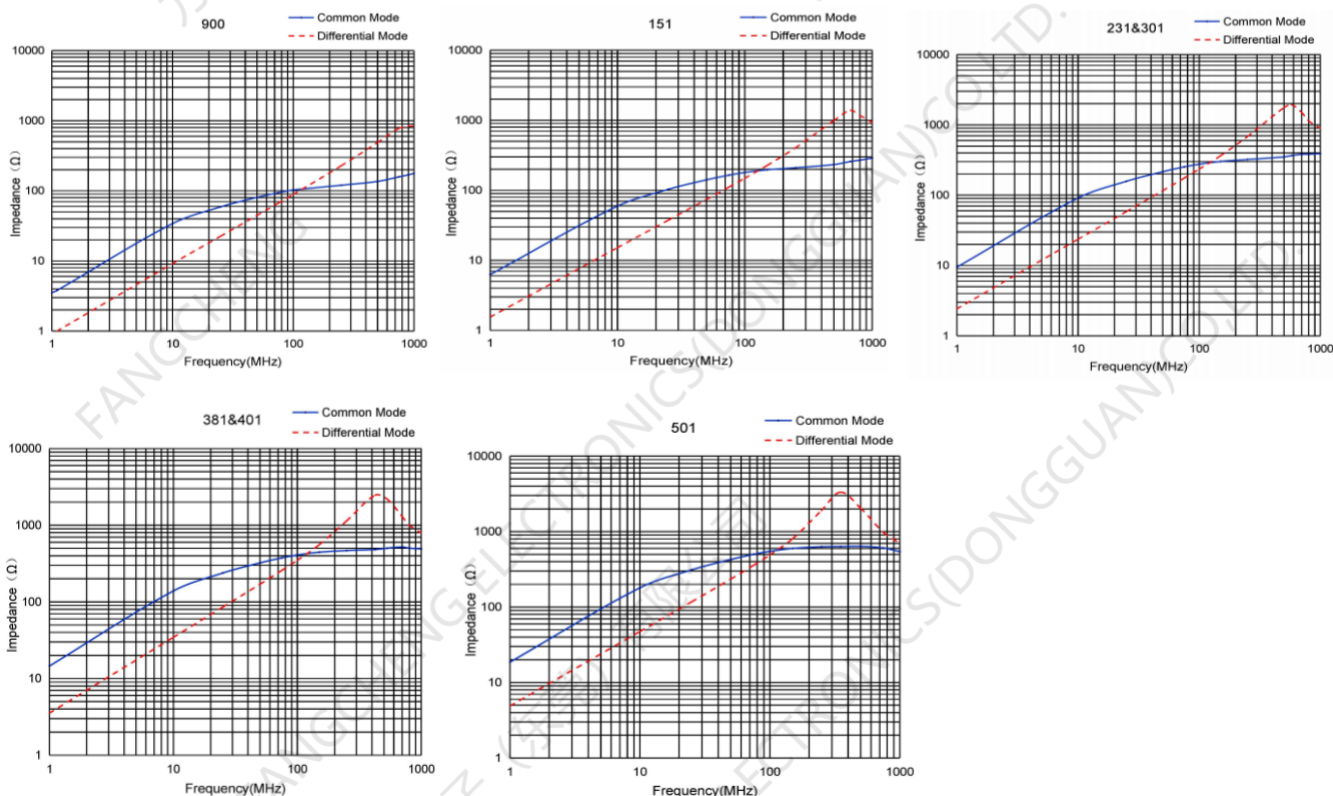
- A chip-type common mode filter for large current applications. Common mode impedance surpasses 300 to 1000 Ω at 100MHz. Noise is greatly suppressed.
- Capable of handling the highest current (up to 10A) of any chiptype common mode filter.
- Height and size have been considered, resulting in a compact 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.

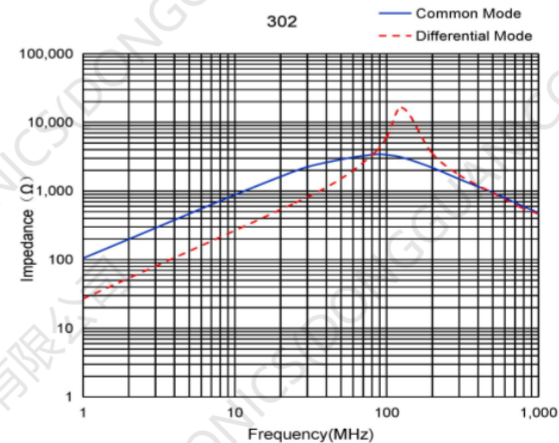
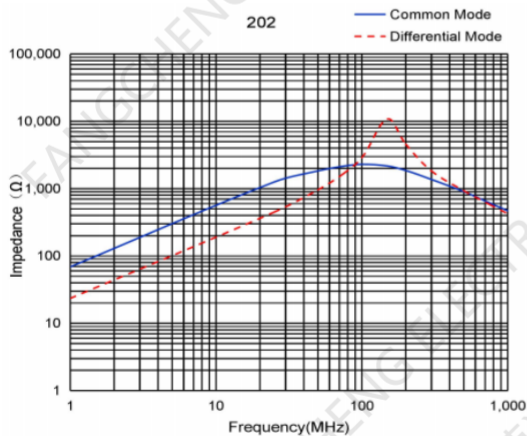
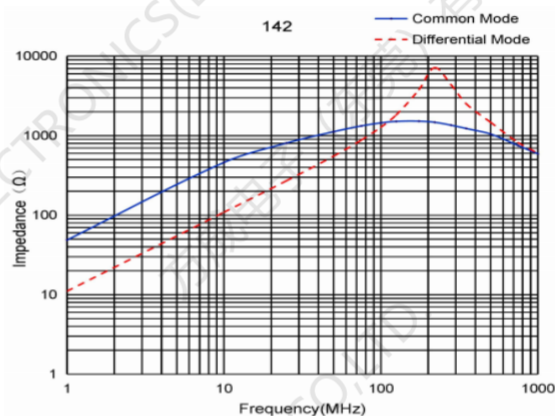
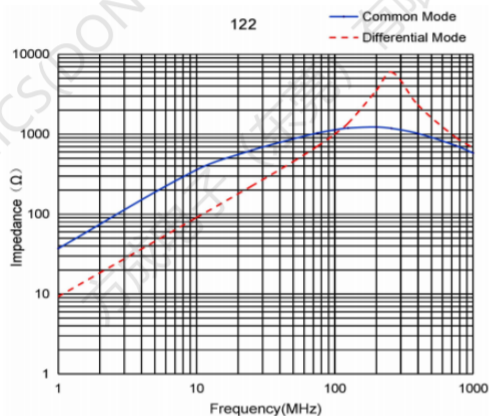
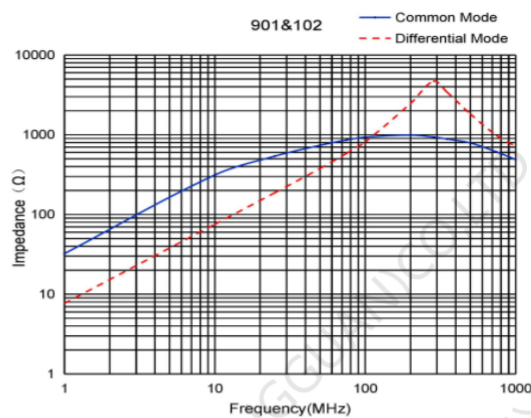
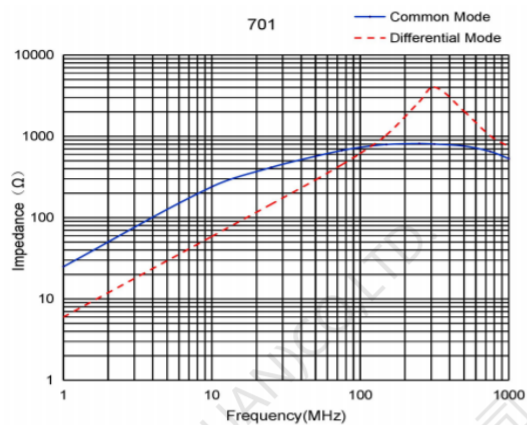


3.ELECTRICAL CHARACTERISTICS

| PART Number | Z(Ω) at 100 MHz | | RDC(m Ω) max | Rated Curren (A)Max | IR (M Ω)Min | Rated Voltage Vdc(V) |
|-------------|--------------------------|------|----------------------|---------------------|---------------------|----------------------|
| | Min | TYP | | | | |
| LCM4520-900 | 60 | 90 | 35 | 3.2 | 10 | 80-125 |
| LCM4520-151 | 90 | 150 | 40 | 3.2 | 10 | |
| LCM4520-231 | 180 | 230 | 45 | 3.0 | 10 | |
| LCM4520-301 | 200 | 300 | 45 | 3.0 | 10 | |
| LCM4520-381 | 250 | 380 | 50 | 2.5 | 10 | |
| LCM4520-401 | 300 | 420 | 50 | 2.5 | 10 | |
| LCM4520-501 | 350 | 500 | 55 | 2.4 | 10 | |
| LCM4520-701 | 500 | 700 | 58 | 2.2 | 10 | |
| LCM4520-901 | 650 | 900 | 60 | 2.1 | 10 | |
| LCM4520-102 | 800 | 1000 | 60 | 2.1 | 10 | |
| LCM4520-122 | 1000 | 1200 | 70 | 2.0 | 10 | |
| LCM4520-142 | 1200 | 1400 | 80 | 1.9 | 10 | |
| LCM4520-202 | 1800 | 2000 | 80 | 1.5 | 10 | |
| LCM4520-302 | 2500 | 3000 | 80 | 1.0 | 10 | |

4. IMPEDANCE vs. FREQUENCY CHARACTERISTICS





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