

FC-LCM3225-LCM4532-Series Common mode Chokes

Features:

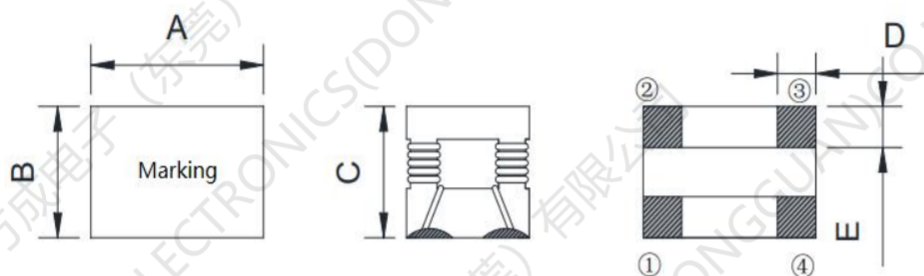
- 1、 FC-LCM common mode impedance at high frequency effectsexcellent noise suppression performance. 在高頻的共模阻抗具有良好的雜訊抑制表現。
- 2、 The common mode choke coils structure enables noiseSuppression
- 3、 without degrading the signal
(共模扼線圈的結構使得雜訊被抑制訊號衰減。)



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.

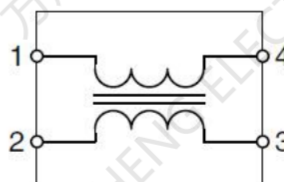
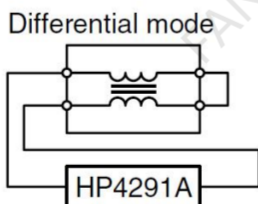
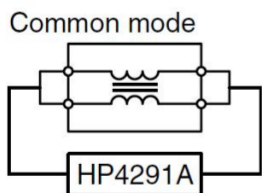
1.SHAPES AND DIMENSIONS Unit:mm



| PartNumber | A | B | C | D Typ | E(ref) |
|------------|---------|---------|---------|-------|--------|
| FC-LCM3225 | 3.2±0.3 | 2.5±0.3 | 2.5±0.3 | 0.8 | 0.6 |
| FC-LCM4532 | 4.5±0.3 | 3.2±0.3 | 3.2±0.3 | 1.0 | 1.0 |

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.

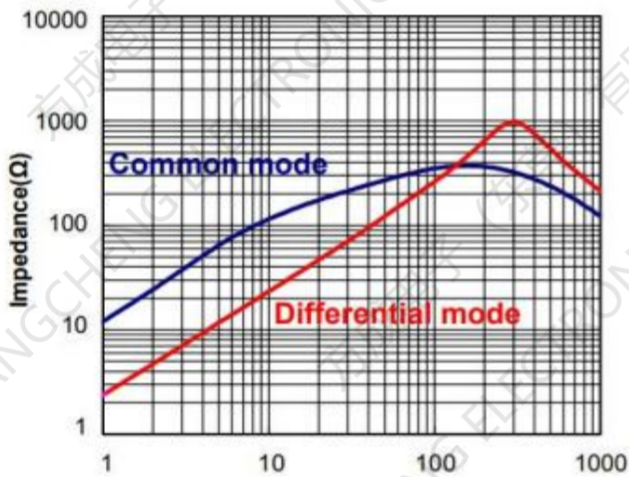


3.ELECTRICAL CHARACTERISTICS

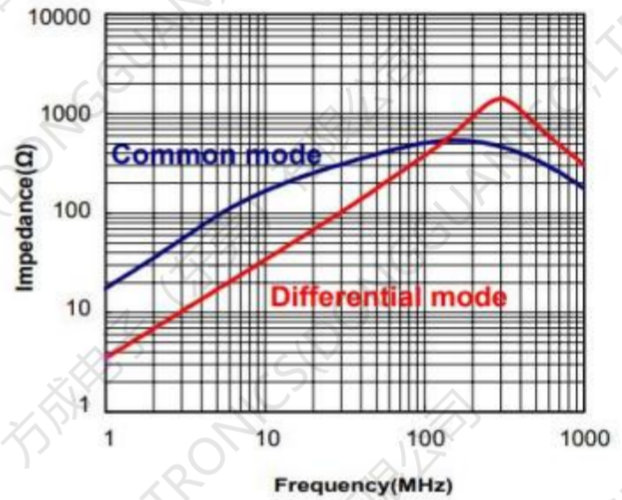
| PART Number | Z(Ω) 100MHz/0.1V | RDC (m Ω) Max | Rated Current (A) Max | IR (M Ω) Min | Rated Voltage(V) |
|----------------|---------------------------|-----------------------|-----------------------|----------------------|------------------|
| | Ω /typ | | | | |
| FC-LCM3225-421 | 420 | 30 | 2.0 | 10 | 125 |
| FC-LCM3225-501 | 500 | 50 | 1.5 | 10 | |
| FC-LCM3225-701 | 700 | 60 | 1.0 | 10 | |
| FC-LCM3225-102 | 1000 | 75 | 0.5 | 10 | |

4. IMPEDANCE vs. FREQUENCY CHARACTERISTICS

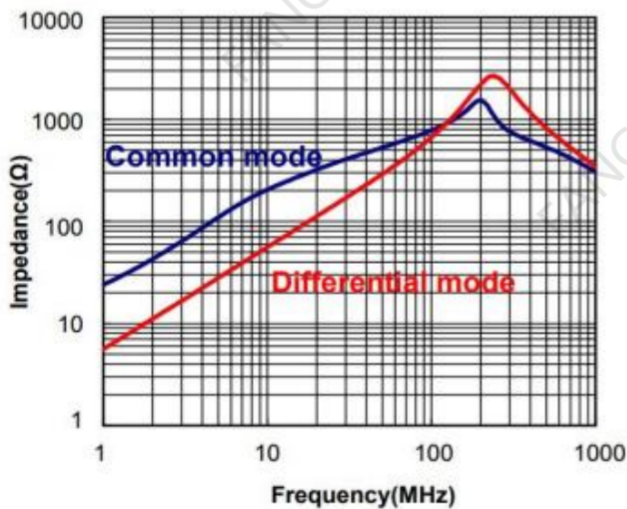
FC-LCM3225-421



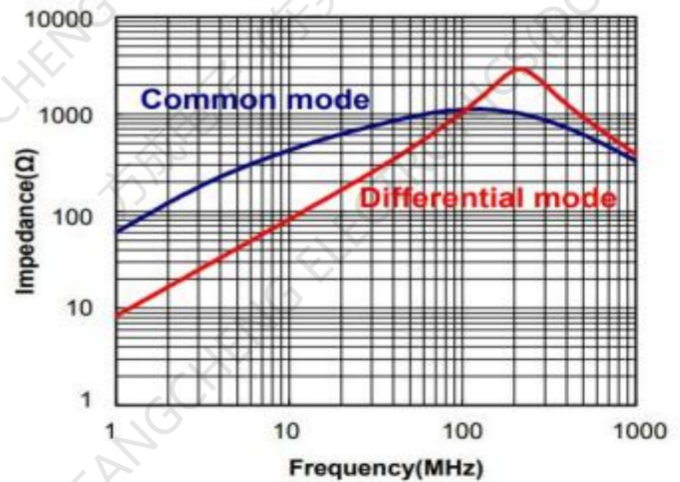
FC-LCM3225-501



FC-LCM3225-701



FC-LCM3225-102

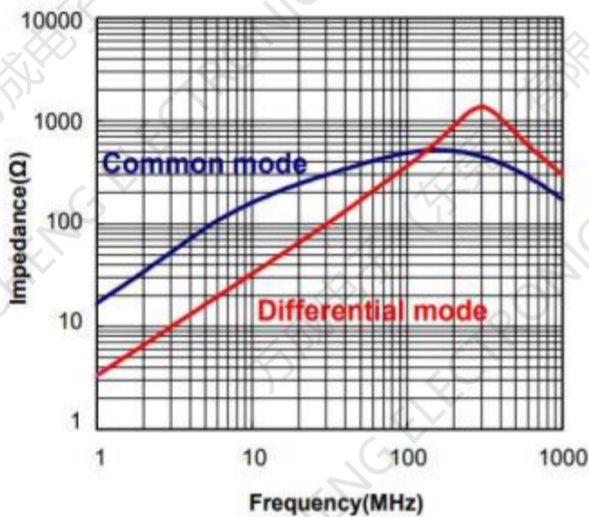


5. ELECTRICAL CHARACTERISTICS

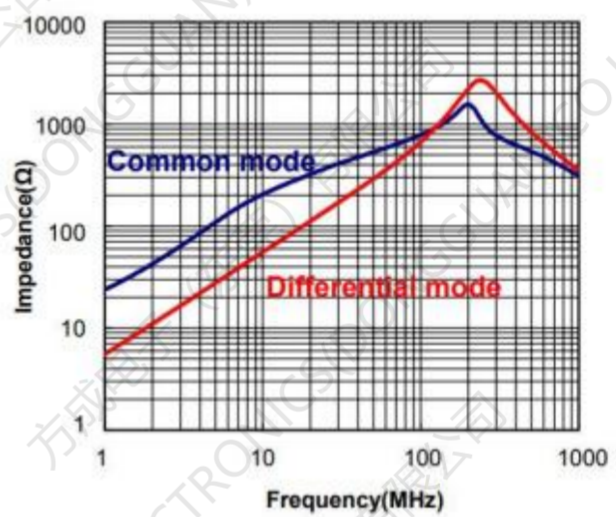
| PART Number | Z(Ω) 100MHz/0.1V | | RDC (m Ω) Max | Rated Current (A) Max | IR (M Ω) Min | Rated Voltage(V) |
|----------------|---------------------------|------|-----------------------|-----------------------|----------------------|------------------|
| | Ω /min | typ | | | | |
| FC-LCM4532-421 | 350 | 420 | 25 | 2.5 | 10 | 125V |
| FC-LCM4532-701 | 500 | 700 | 38 | 2.0 | 10 | |
| FC-LCM4532-102 | 850 | 1000 | 50 | 1.5 | 10 | |
| FC-LCM4532-152 | 1300 | 1500 | 65 | 1.0 | 10 | |

6. IMPEDANCE vs. FREQUENCY CHARACTERISTICS

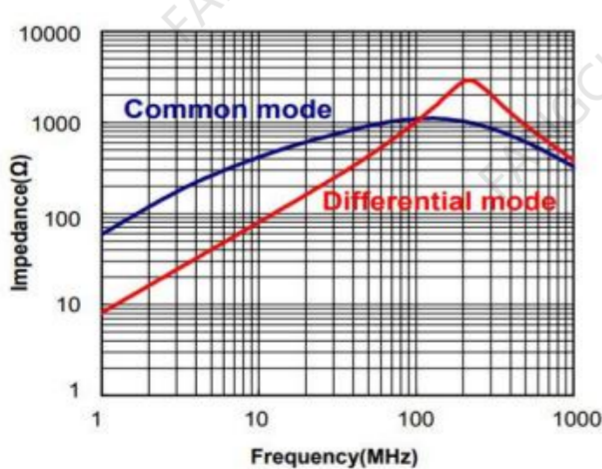
FC-LCM4532-421



FC-LCM4532-701



FC-LCM4532-102



FC-LCM4532-152

