

## FC-LCM3225-LCM4532-Series Common mode Chokes

### Features:

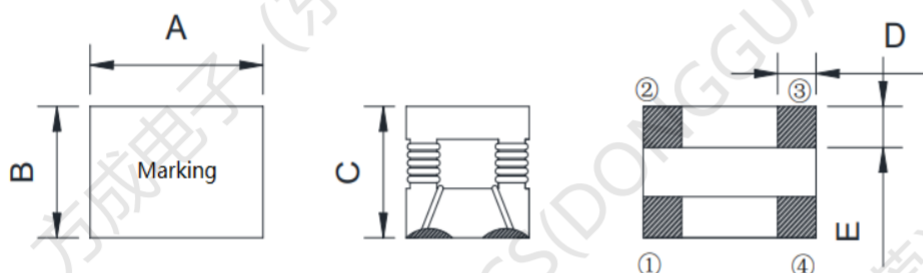
- 1、 FC-LCM common mode impedance at high frequency effectsexcellent noise suppression performance. 在高頻的共模阻抗具有良好的雜訊抑制表現。
- 2、 The common mode choke coils structure enables noiseSuppression
- 3、 without degrading the signal  
(共模扼線圈的結構使得雜訊被抑制訊號衰減。)

### 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.



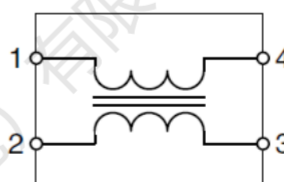
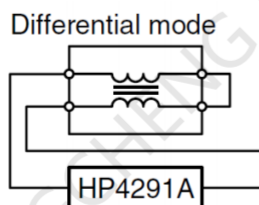
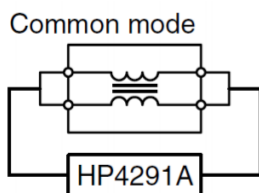
### 1.SHAPES AND DIMENSIONS Unit:mm



| 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 $\Omega$  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.

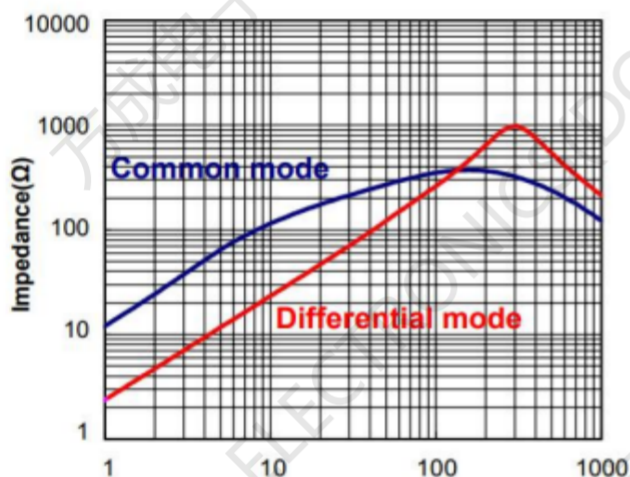


### 3.ELECTRICAL CHARACTERISTICS

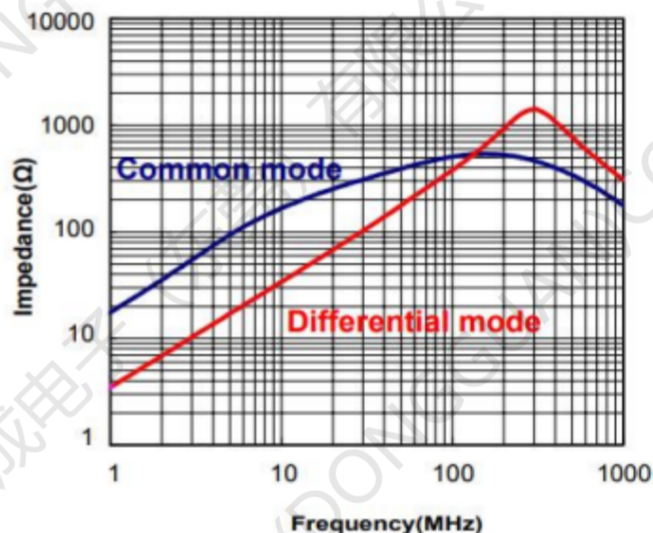
| PART<br>Number | Z( $\Omega$ ) 100MHz/0.1V | RDC (m $\Omega$ )<br>Max | Rated<br>Current (A)<br>Max | IR (M $\Omega$ ) Min | Rated<br>Voltage(V) |
|----------------|---------------------------|--------------------------|-----------------------------|----------------------|---------------------|
|                | $\Omega$ /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

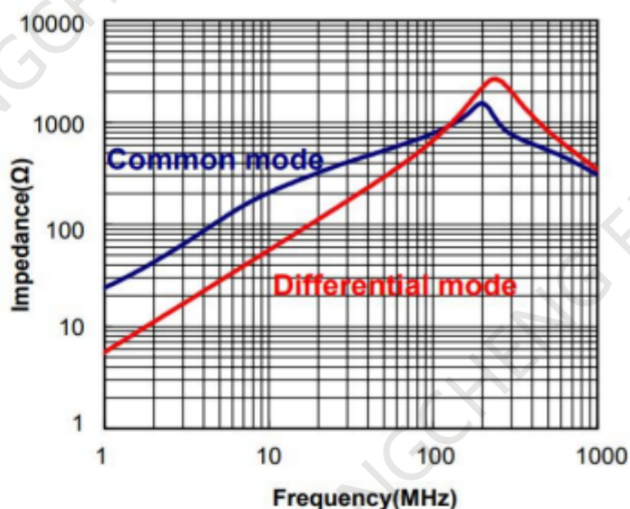
FC-LCM3225-421



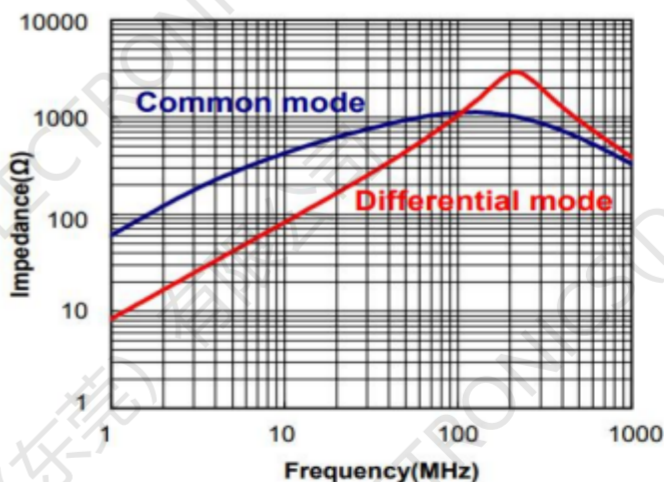
FC-LCM3225-501



FC-LCM3225-701



FC-LCM3225-102

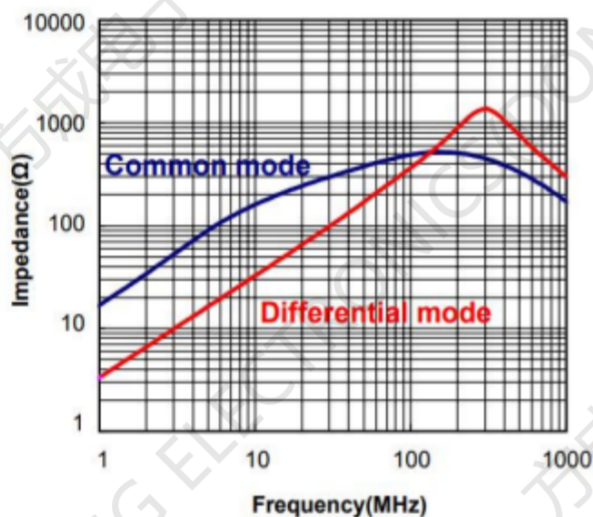


## 5.ELECTRICAL CHARACTERISTICS

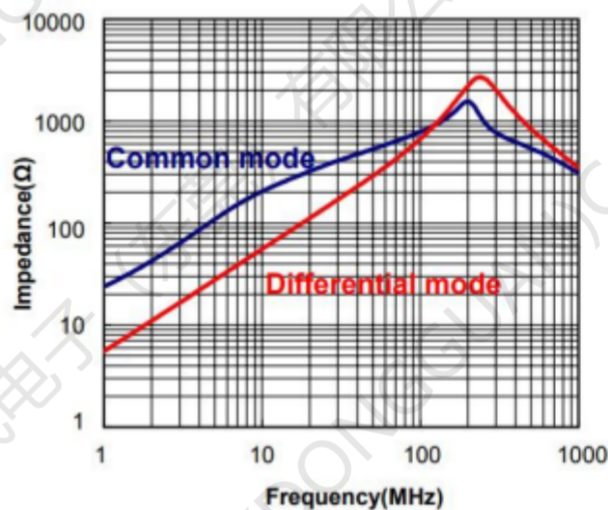
| PART Number    | Z( $\Omega$ ) 100MHz/0.1V |      | RDC (m $\Omega$ ) Max | Rated Current (A) Max | IR (M $\Omega$ ) Min | Rated Voltage(V) |
|----------------|---------------------------|------|-----------------------|-----------------------|----------------------|------------------|
|                | $\Omega$ /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

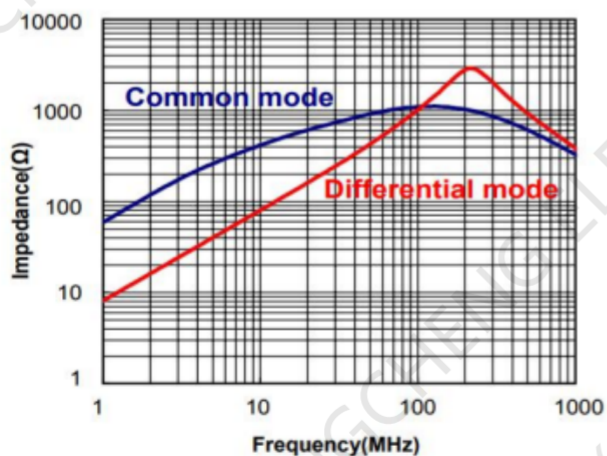
FC-LCM4532-421



FC-LCM4532-701



FC-LCM4532-102



FC-LCM4532-152

