

## Current Compensated Ring Core Double Chokes LCM4520-Series

Features:

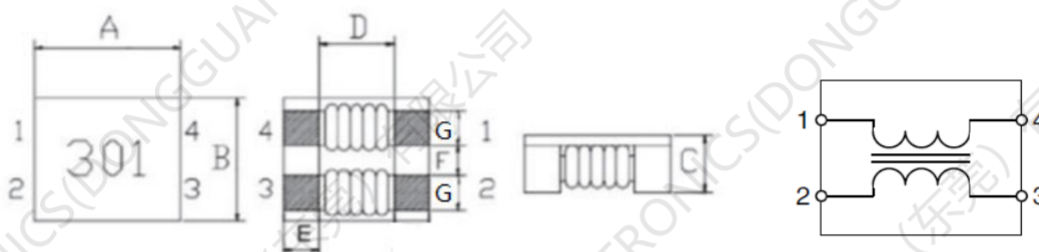
- 1、 LCMrealizes big size and High current
- 2、 High Impedance and Excellent Frequency Characteristic.
- 3、 Self Electromagnetic Shielding.
- 4、 Low Magnetic Flux Leakage

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.



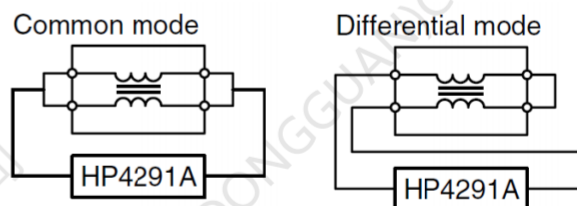
### 1.SHAPES AND DIMENSIONS Unit:mm



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

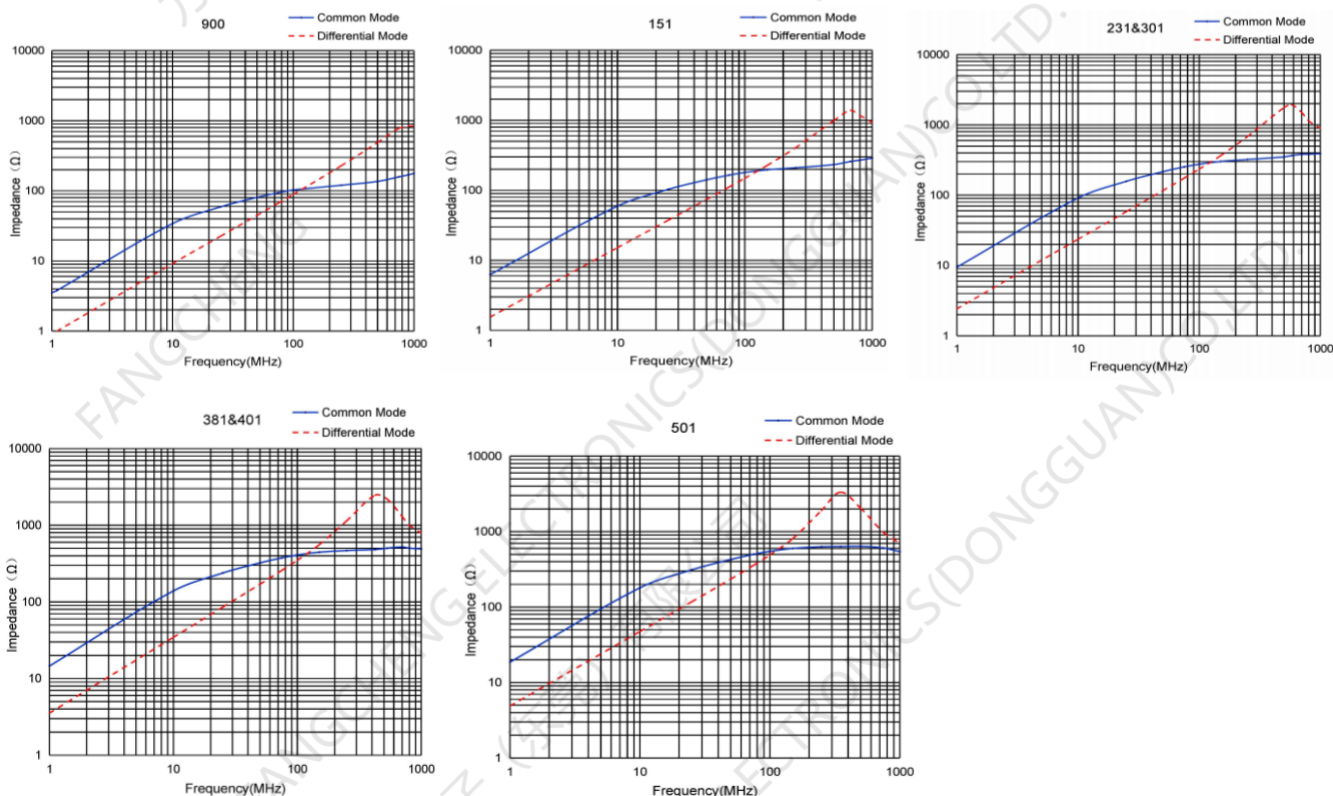
- A chip-type common mode filter for large current applications. Common mode impedance surpasses 300 to 1000 $\Omega$  at 100MHz. Noise is greatly suppressed.
- Capable of handling the highest current (up to 10A) of any chiptype common mode filter.
- Height and size have been considered, resulting in a compact and light-weight choke coil. Applicable for the miniaturization required to reduce the size and weight of portable equipment.
- 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.

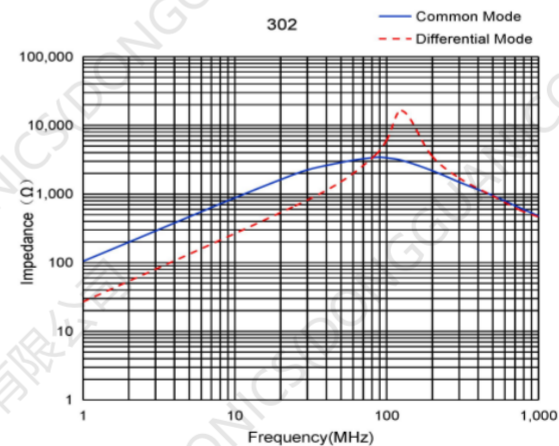
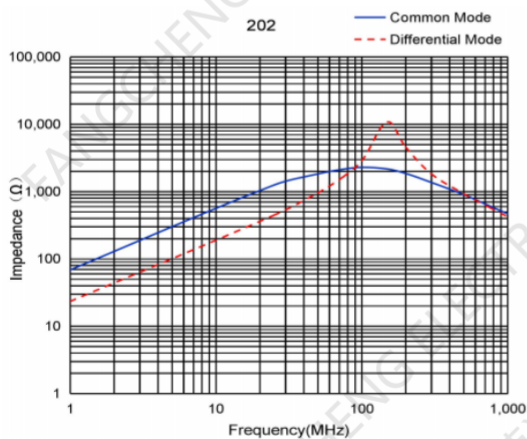
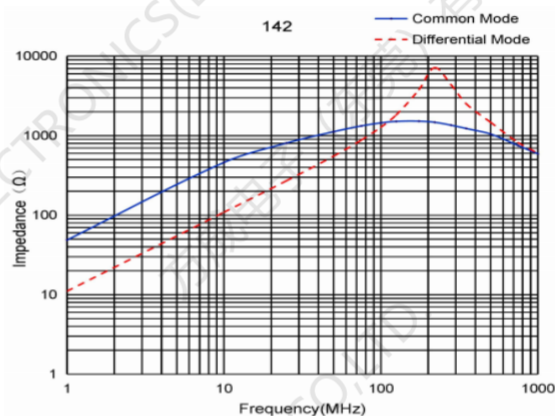
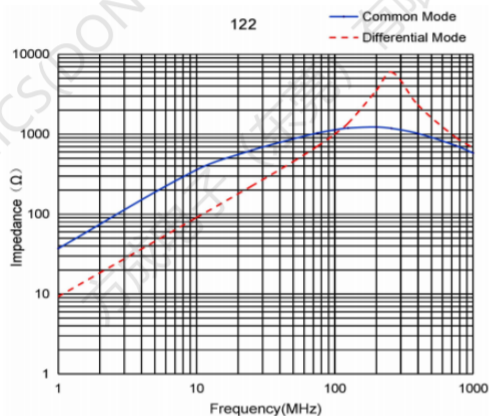
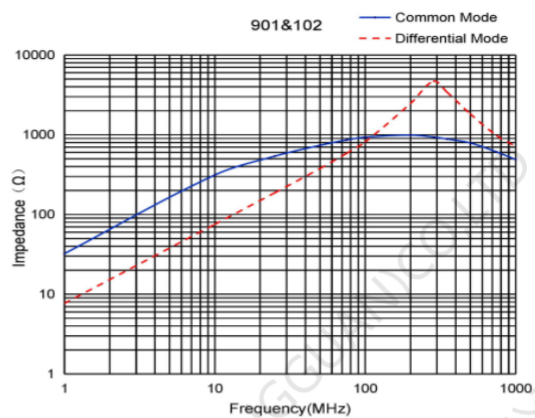
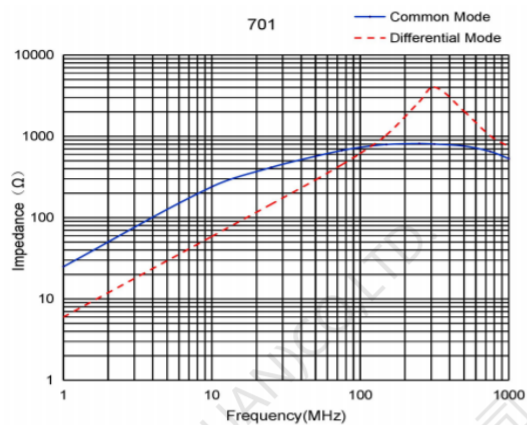


### 3.ELECTRICAL CHARACTERISTICS

PART Number	Z( $\Omega$ ) at 100 MHz		RDC(m $\Omega$ ) max	Rated Curren (A)Max	IR (M $\Omega$ )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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