

Current Compensated Ring Core Double Chokes LCM4520-Series

Features:

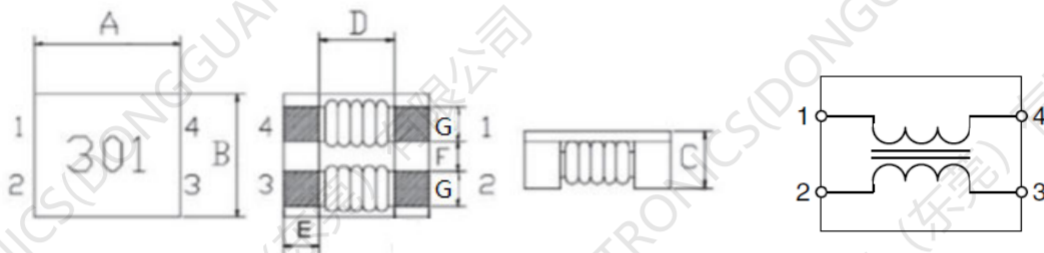
- 1、LCM realizes big size and High current
- 2、High Impedance and Excellent Frequency Characteristic.
- 3、Self Electromagnetic Shielding.
- 4、Low Magnetic Flux Leakage

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.



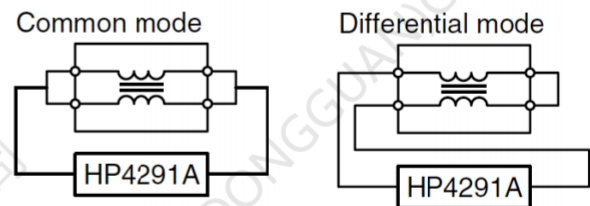
1. SHAPES AND DIMENSIONS Unit:mm



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 chip-type 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-free soldering.
- 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 Current (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

