Current Compensated Ring Core Double Chokes LCM4520-LCM1513-Series

Features:

1、LCMrealizes big size and Hight current

2、High Impedance and Excellent Frequency Characteristic.

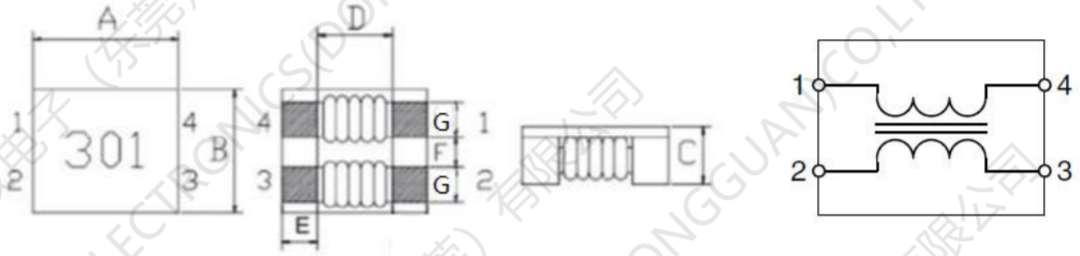
3、Self Electromagnetic Shielding.

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.

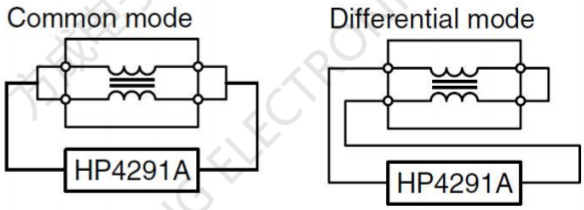
1.SHAPES AND DIMENSIONS Unit:mm



PartNumber	A	B	C	D Typ	E(ref)	F(ref)	G(ref)
LCM4520	4.7±0.5	4.5±0.5	2.5 MAX	2.7	1.00	1.00	0.90
LCM7060	7.0±0.5	6.0±0.5	3.5±0.3	3.5	1.50	1.50	1.75
LCM9070	9.5±0.5	7.0±0.5	5.0±0.3	5.5	1.75	2.00	1.75
LCM1211	12.5±0.5	10.8±0.5	6.5MAX	7.0	2.70	2.70	2.50
LCM1513	15.5±0.5	13.0±0.5	6.8 MAX	9.0	3.00	3.00	3.30

2.MEASURING CIRCUITS

- A chip-type common mode filter for large current applications. Common mode impedance surpasses 300 to 1000∧ 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.

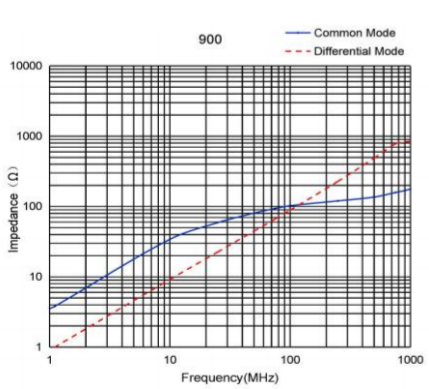


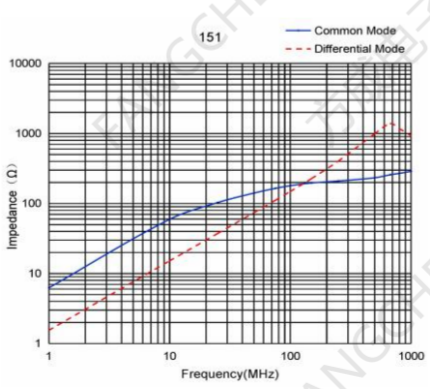
Current Compensated Ring Core Double Chokes LCM7060-LCM1513-Series

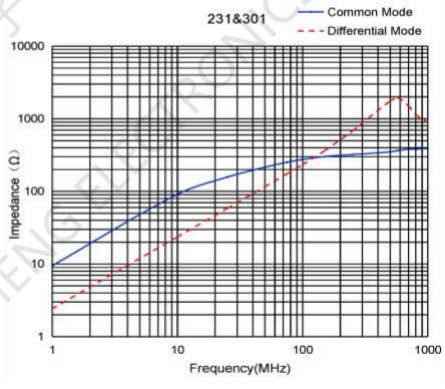
3.ELECTRICAL CHARACTERISTICS

PART Number	Z(Ω) at 100 MHz		RDC(mΩ) 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	

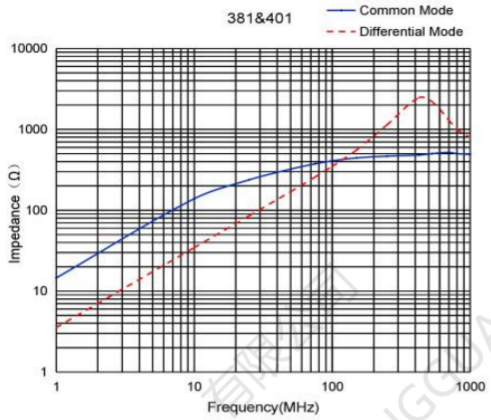
4. IMPEDANCE vs. FREQUENCY CHARACTERISTICS

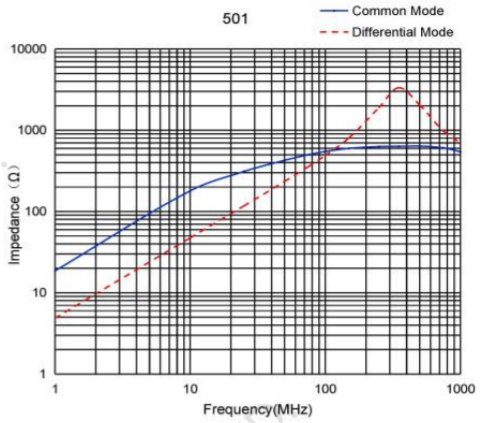


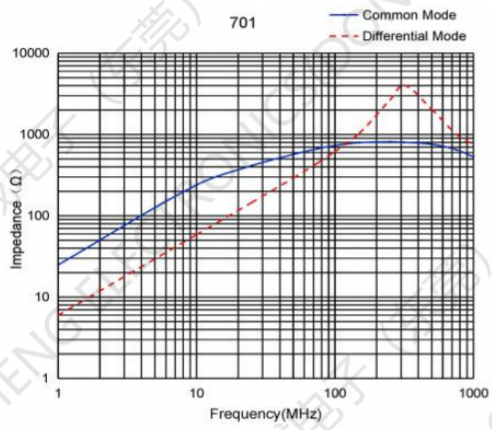


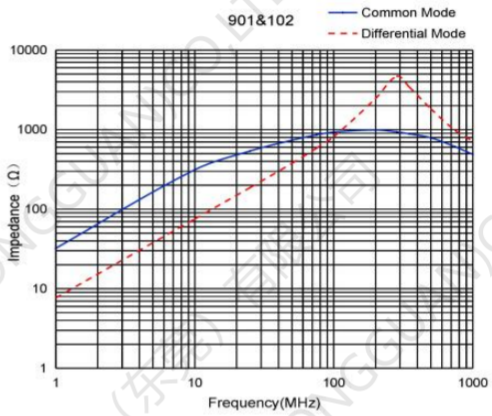


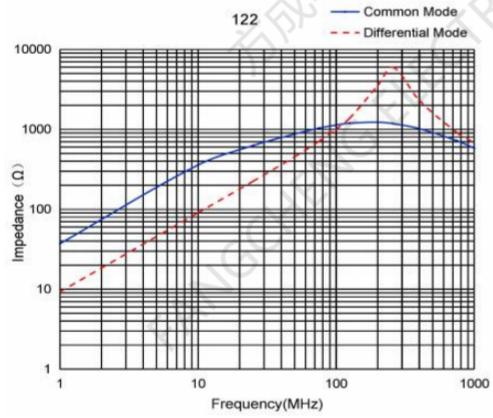
Current Compensated Ring Core Double Chokes LCM4520-LCM1513-Series

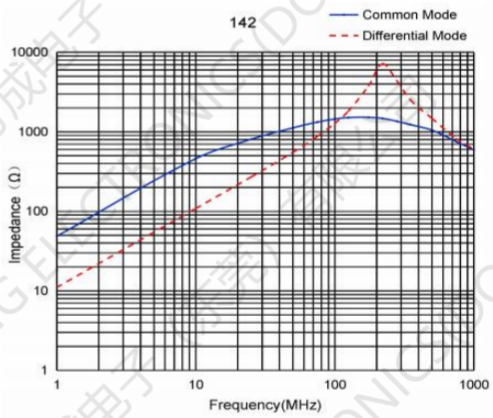


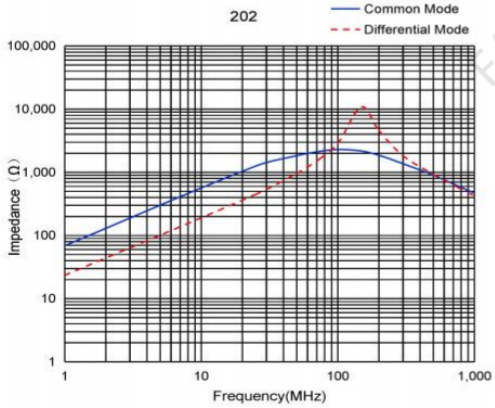


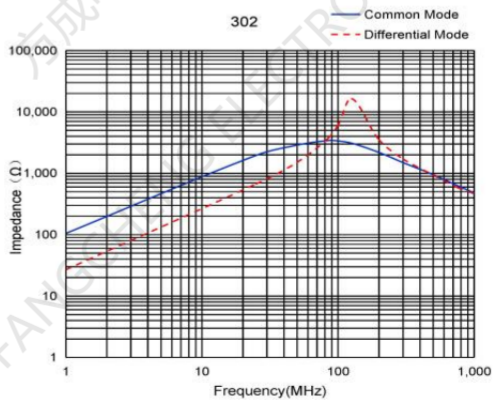












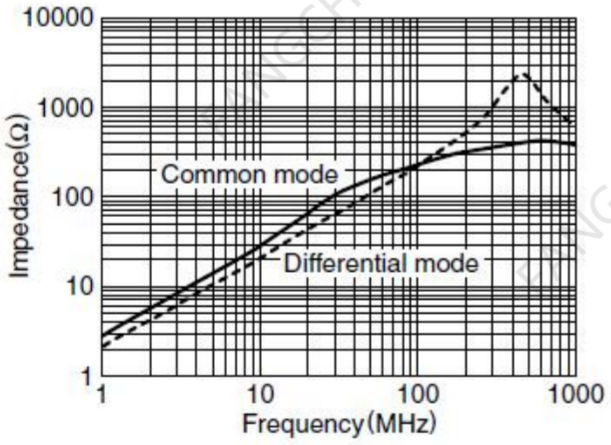
Current Compensated Ring Core Double Chokes LCM4520-LCM1513-Series

5.ELECTRICAL CHARACTERISTICS

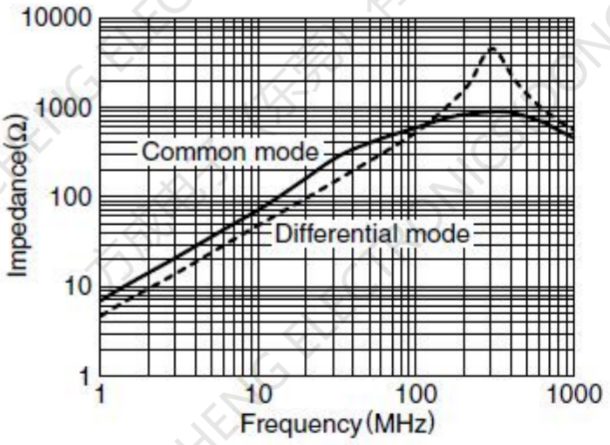
PART Number	Z(Ω) at 100 MHz		RDC(mΩ) max	Rated Curren (A)Max	IR (M Ω)Min	Rated Voltage Vdc(V)
	Min	TYP				
LCM7060-101	100	140	10	9.0	10	80-125
LCM7060-301	225	300	10	5.0	10	
LCM7060-501	275	350	10	5.0	10	
LCM7060-601	500	700	15	4.0	10	
LCM7060-701	500	700	15	4.0	10	
LCM7060-102	800	1020	17	3.0	10	
LCM7060-132	910	1300	21	2.5	10	
LCM7060-222	1700	2000	60	1.2	10	
LCM7060-272	2000	2700	65	1.0	10	
LCM7060-302	2200	3500	80	0.8	10	

6.IMPEDANCE vs. FREQUENCY CHARACTERISTICS

LCM7060-301



LCM7060-701

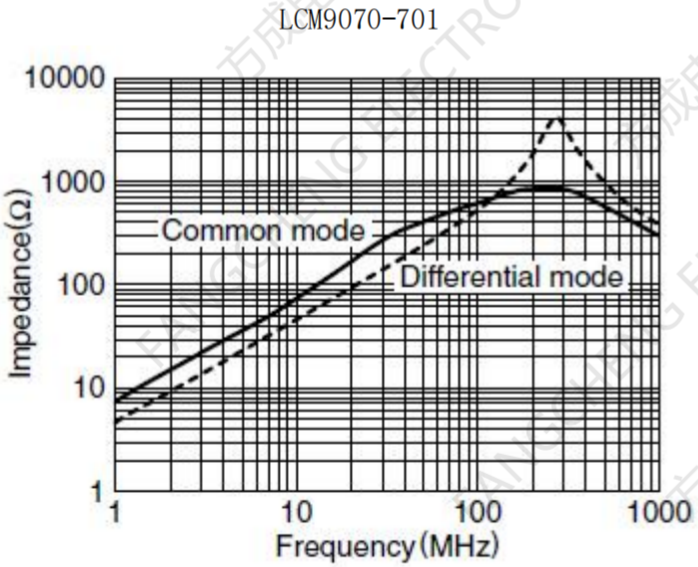


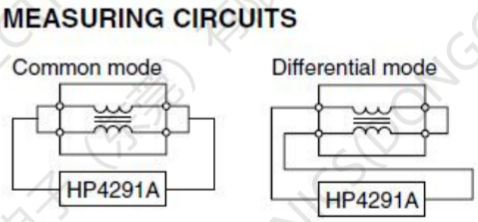
Current Compensated Ring Core Double Chokes LCM4520-LCM1513-Series

7.ELECTRICAL CHARACTERISTICS

PART Number	Z(Ω) at 100 MHz		RDC(mΩ) Max	Rated Curren (A)Max	IR (M Ω)Min	Rated Voltage Vdc(V)
	Min	TYP				
LCM9070-301	225	300	6.0	10.0	10	80-125
LCM9070-501	450	600	8.0	8.0	10	
LCM9070-701	500	700	10.0	6.0	10	
LCM9070-102	750	1000	13.0	5.0	10	
LCM9070-152	1000	1500	15.0	4.5	10	
LCM9070-202	1500	2000	20.0	4.0	10	
LCM9070-222	1700	2200	28.0	4.0	10	
LCM9070-272	2000	2700	40.0	3.5	10	
LCM9070-302	2400	3200	45.0	3.0	10	

8.IMPEDANCE vs. FREQUENCY CHARACTERISTICS





Current Compensated Ring Core Double Chokes LCM4520-LCM1513-Series

9.ELECTRICAL CHARACTERSTICS

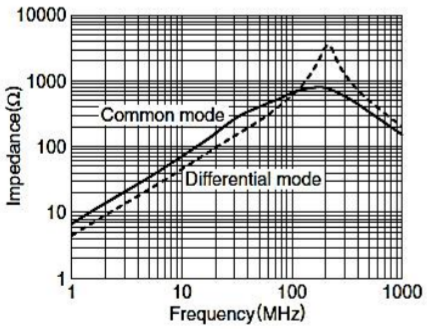
PART Number	Z(Ω) at 100 MHz		RDC(mΩ) Max	Rated Curren (A)Max	IR (M Ω)Min	Rated Voltage Vdc(V)
	Min	TYP				
LCM1211-800	80	230	2.0	10.0	10	125
LCM1211-701	500	700	6.0	8.0	10	125
LCM1211-801	600	800	8.0	8.0	10	125
LCM1211-102	750	1000	14.0	6.0	10	125
LCM1211-222	2200	2500	35.0	1.8	10	125
LCM1211-272	2300	2700	50.0	1.5	10	125

10.ELECTRICAL CHARACTERISTICS

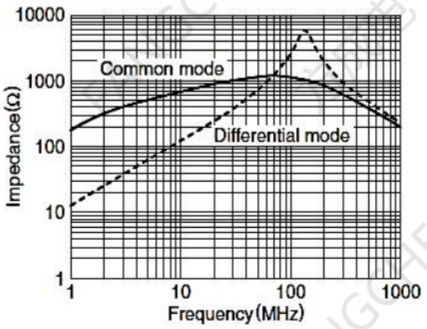
PART Number	Z(Ω) at 100 MHz		RDC(mΩ) Max	Rated Curren (A)Max	IR (M Ω)Min	Rated Voltage Vdc(V)
	Min	TYP				
LCM1513-301	250	300	5.0	13	10	125
LCM1513-551	450	550	6.0	10	10	125
LCM1513-701	500	700	7.0	10	10	125
LCM1513-102	800	1000	8.5	10	10	125
LCM1513-152	1100	1500	9.0	8.0	10	125

11.IMPEDANCE vs. FREQUENCY CHARACTERISTICS

LCM1211-701



LCM1211-102



LCM1513-551