方成电子（东莞）有限公司

Current Compensated Ring Core Double Chokes LCM7060-LCM1513-Series

Features:

1、LCMrealizes big size and Hight current

2、High Impedance and Excellent Frequency Characteristic.

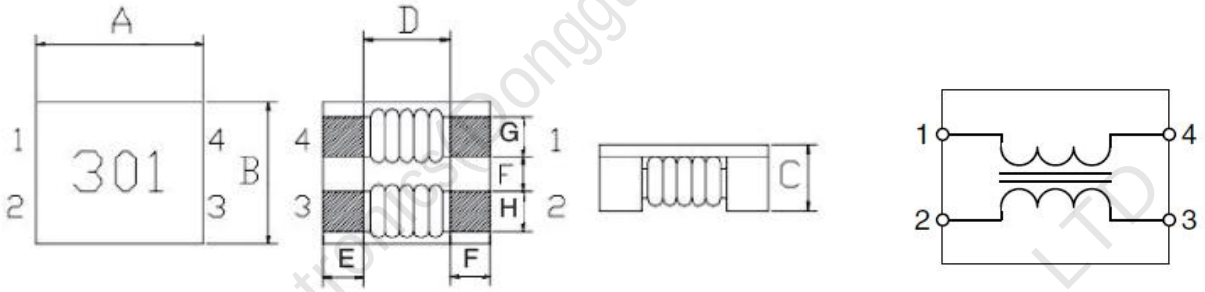
3、Self Electromagnetic Shielding.

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.

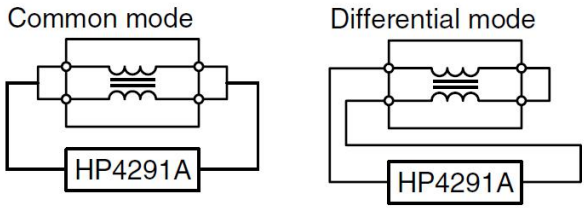
1.SHAPES AND DIMENSIONS Unit:mm



PartNumber	A	B	C	D	E(ref)	F(ref)	G(ref)	H(ref)
LCM7060	7.0±0.2	6.0±0.2	3.6±0.2	1.5Typ	1.75	1.75	1.5	1.5
LCM9070	9.5±0.2	7.0±0.2	6.5±0.2	5.7Typ	1.75	1.75	1.5	1.5
LCM1211	12.5±0.2	10.8±0.2	8.3±0.2	7.0±0.2	2.5	2.5	2.7	2.7
LCM1513M	15.5±0.2	13.0±0.2	6.0±0.2	9.0±0.2	3.0	3.0	2.7	2.7

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.



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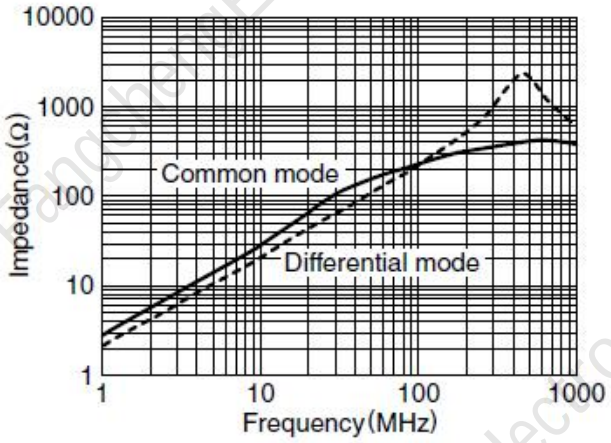
3.ELECTRICAL CHARACTERISTICS

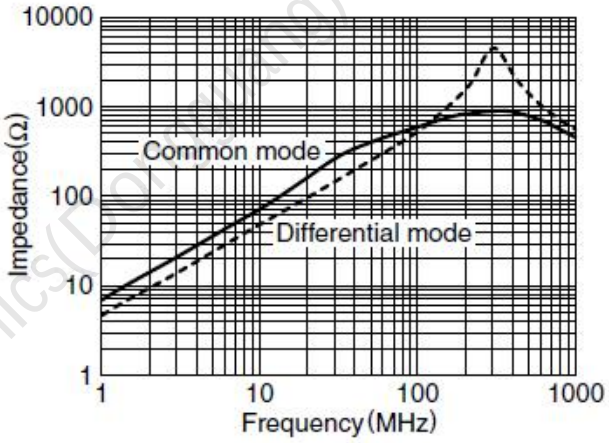
PART Number	Z(Ω) at 100 MHz		RDC(Ω) Max(1 LINE)	Rated Curren (A)Max	IR (M Ω)Min	Rated Voltage Vdc(V)
	Min	TYP				
LCM7060-101	100	140	10m	9	10	80
LCM7060-301	225	300	10m	5	10	80
LCM7060-501	275	350	10m	5	10	80
LCM7060-601	500	700	10m	4	10	80
LCM7060-701	500	700	10m	4	10	80
LCM7060-102	800	1020	10m	3	10	80
LCM7060-132	910	1300	10m	2.5	10	80

4. **IMPEDANCE vs. FREQUENCY CHARACTERISTICS**

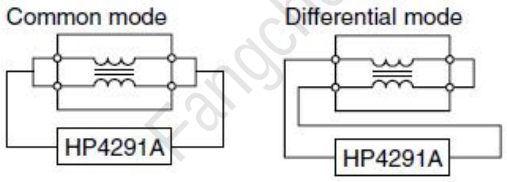
LCM7060-301



LCM7060-701



MEASURING CIRCUITS



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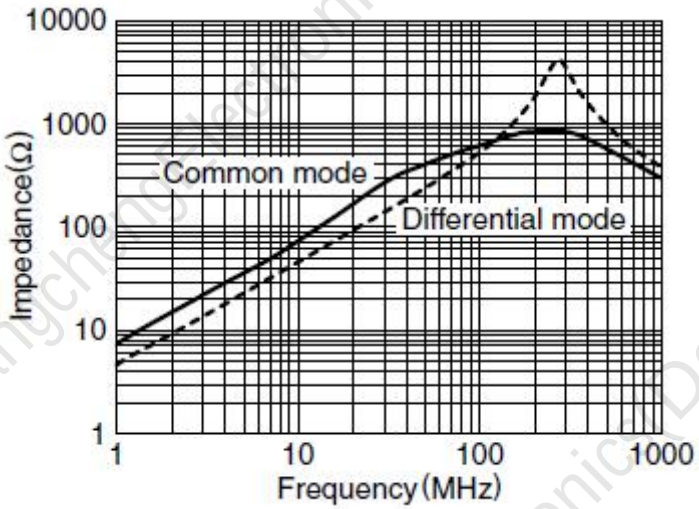
5.ELECTRICAL CHARACTERISTICS

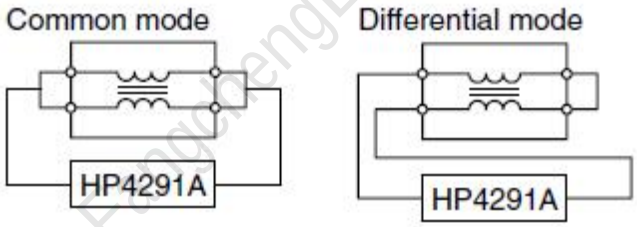
PART Number	Z(Ω) at 100 MHz		RDC(Ω) Max(1 LINE)	Rated Curren (A)Max	IR (M Ω)Min	Rated Voltage Vdc(V)
	Min	TYP				
LCM9070-301	225	300	6m	6.0	10	50
LCM9070-501	450	600	8m	5.5	10	50
LCM9070-701	500	700	10m	5.0	10	50
LCM9070-102	750	1000	13m	4.0	10	50
LCM9070-222	1700	2200	60m	2.5	10	50

6.IMPEDANCE vs. FREQUENCY CHARACTERISTICS

LCM9070-701



MEASURING CIRCUITS



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7.ELECTRICAL CHARACTERSTICS

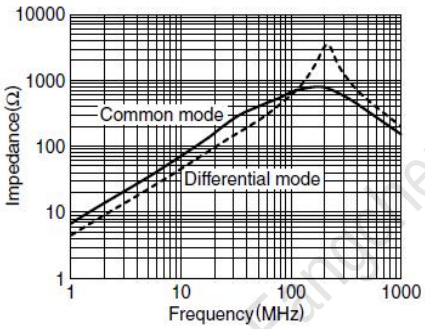
PART Number	Z(Ω) at 100 MHz		RDC(Ω) Max(1 LINE)	Rated Curren (A)Max	IR (M Ω)Min	Rated Voltage Vdc(V)
	Min	TYP				
LCM1211-800	80	230	2.0m	10.0	10	125
LCM1211-701	500	700	6.0m	8.0	10	125
LCM1211-801	600	800	8.0m	8.0	10	125
LCM1211-102	750	1000	14m	6.0	10	125
LCM1211-222	2200	2500	35m	1.8	10	125
LCM1211-272	2300	2700	50m	1.5	10	125

8.ELECTRICAL CHARACTERISTICS

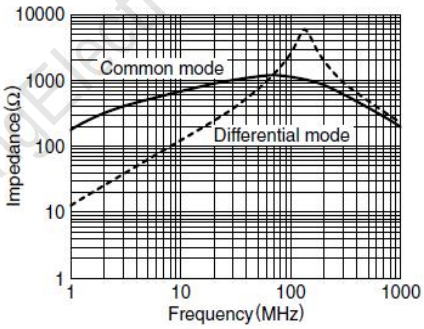
PART Number	Z(Ω) at 100 MHz		RDC(Ω) Max(1 LINE)	Rated Curren (A)Max	IR (M Ω)Min	Rated Voltage Vdc(V)
	Min	TYP				
LCM1513-301	250	300	4.7m	13	10	80
LCM1513-551	450	550	3.8m	10	10	80
LCM1513-701	500	700	7.0m	10	10	80

9.IMPEDANCE vs. FREQUENCY CHARACTERISTICS

LCM1211-701



LCM1211-102



LCM1513-551