



SMD Common Mode Choke for Power Line ~ SMM0905 SERIES



PART NUMBERING SYSTEM

SMM	0905	-	102	-	LF
TYPE	DIMENSIONS		IMPEDANCE		LEAD FREE

SHAPES , DIMENSIONS AND PCB LAYOUT

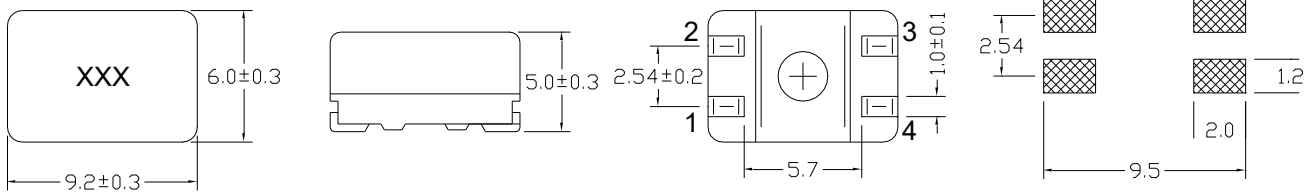
UNIT : mm

TOP VIEW

FRONT VIEW

BOTTOM VIEW

PCB PATTERN



FEATURES

- Designed for low profile effective in space conscious applications .
- Ideal for low resistance filters have been designed for excellent electrical isolation .
- Application for provide common mode noise attenuation and for the suppression of EMI in data lines and signal lines .
- Lead free, RoHS and REACH compliant
- Halogen Free



SMD Common Mode Choke for Power Line ~ SMM0905 SERIES



SPECIFICATION TABLE

PART NUMBER	Impedance (Z) ohm (Typ.)	DCR(Ω) (Max.) N1=N2	Rated Current Max. (A)	Inductance (uH)	Leakage Inductance(nH) Typ.
SMM0905-921-LF	920	0.8	1.60	10±30%	55
SMM0905S-921-LF	920	0.8	1.60	10±30%	850
SMM0905-182-LF	1800	0.13	1.20	250±50%	60
SMM0905-282-LF	2800	0.12	1.00	25±30%	60
SMM0905S-282-LF	2800	0.12	1.00	25±30%	1500
SMM0905-312-LF	3100	0.25	0.90	40±30%	80
SMM0905S-312-LF	3100	0.25	0.90	40±30%	2250
SMM0905-332-LF	3300	0.15	1.00	500±50%	75
SMM0905-552-LF	5500	0.16	1.00	51±30%	85
SMM0905S-552-LF	5500	0.16	1.00	51±30%	3150
SMM0905-602-LF	6000	0.31	0.80	1000±50%	90
SMM0905-922-LF	9200	0.42	0.60	2000±50%	130
SMM0905-183-LF	18400	0.95	0.40	6500±50%	280
SMM0905-203-LF	20000	0.75	0.50	4700±50%	180
SMM0905-253-LF	25000	1.2	0.35	10000±50%	320
SMM0905-503-LF	50000	2.6	0.20	20000±50%	490

- Electrical specifications at 25°C.
- Testing Frequency: 1KHz, 0.1V (<=51uH), 100KHz, 5mV (250uH~4.7mH), 10KHz, 50mV (>=6.5mH)
- Leakage inductance: 1MHz, 1mA
- Insulation test voltage: 500Vac Max
- Rated voltage : 80V
- Hi-Pot test : 500Vac 60Hz 3mA at 3 sec .
- Test equipment : Inductance value : HP4284A LCR meter ; Impedance value : HP4194A LCR Meter .
- Rated current : 40°C temperature rise from 25°C ambient.
- Operating temperature range -40°C to + 125°C.
- Packing : 13" reel, machine-ready ,embossed plastic tape (1,000 parts per full reel).



Coilmaster Electronics Co., Ltd.
3F No.211, Huan Bei Rd. Chung Li, Taoyuan City 320, Taiwan
Tel : +886-3-422-8279 Fax : +886-3-452-5688

E-mail : info@coilmaster.com.tw
Web Site : www.coilmaster.com.tw

SMD Common Mode Choke for Power Line ~ SMM0905 SERIES



APPLICATIONS

- Preventive measure against common mode noise radiation emissions from power line or else.
- High current circuit
- Car wireless charger
- Industrial applications
- Power device