

Common Mode SMD Filter for Power Line

LCMF Series LCMF5025P1

Features:

- Designed for noise suppression at DC power lines.
- Low profile (H = 2.5mm).
- Small size.
- High rated current.
- Operating temperature: -40°C ~ 85°C.

Applications:

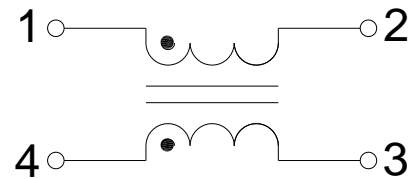
- Power line equipment like DC-DC converters, battery chargers.
- Portable equipment like PDAs, laptops, printers.

Product Identification:

LCMF 5025 P1 - 101 - 2P
1 2 3 4 5

1. Series : LCMF= LinkCom Common Mode Filter
2. Dimension Code: 5.0mm x 5.0mm x 2.5mm
3. Shielding Type/Application P1=Power
4. Impedance Value 100Ω Typ.
5. Number of lines 2P=2-line

Schematic:



Dimension(mm):

(Units: mm)		A	5.0 ±0.3
		B	5.0 ±0.3
		C	2.5 Max
		D	3.5 Typ
		E	2.2 Typ
		F	1.1 Typ
		L	5.5 Ref
		H	4.4 Ref
		G1	2.0 Ref
		G2	0.9 REF

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Electrical Characteristics

Part Number	Common-Mode Impedance Z(Ω) at 100MHz	D.C. Resistance (Ω) \pm 40%	Rated Current (A) Max.	Rated Voltage Vdc (V)	Insulation Resistance (M Ω) Min.	Mark
LCMF5025P1-101-2P	100 Typ.	0.009	6.0	50	10	101
LCMF5025P1-251-2P	250 Typ.	0.014	5.0	50	10	251
LCMF5025P1-351-2P	350 Typ.	0.028	4.0	50	10	351
LCMF5025P1-501-2P	500 Typ.	0.019	4.0	50	10	501
LCMF5025P1-102-2P	1000 Typ.	0.024	2.0	50	10	102
LCMF5025P1-142-2P	1500 Typ.	0.040	1.5	50	10	142