LinkCom Manufacturing Co.,Ltd

Common Mode SMD Filter for Power Line

LCMF Series LCMF4520P1

Features:

- Designed for noise suppression at DC power lines.
- Low profile (H = 2.0mm).
- Small size.
- High rated current.
- Operating temperature: -40°C ~ 85°C.

Applications:

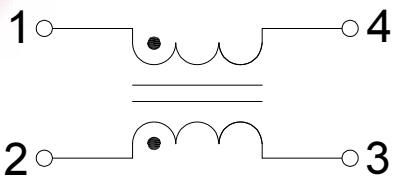
- Power line equipment like DC-DC converters, battery chargers.
- Portable equipment like PDAs, laptops, printers.

Product Identification:

LCMF	4520	P1	–	301	–	2P
1	2	3		4		5

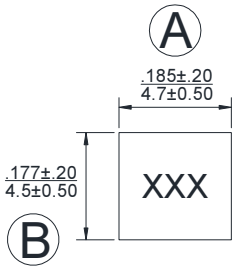
1. Series : LCMF= LinkCom Common Mode Filter
2. Dimension Code: 4.7mm x 4.5mm x 2.0mm
3. Shielding Type/Application P1=Power
4. Impedance Value 300Ω Typ.
5. Number of lines 2P=2-line

Schematic:

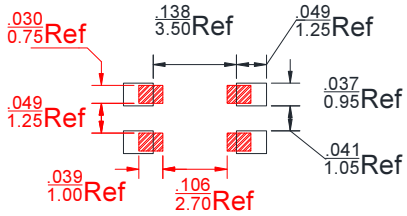


Dimension(mm):

(Units: Inches / mm , Unless otherwise specified, all tolerances are ±.010 / 0.25)



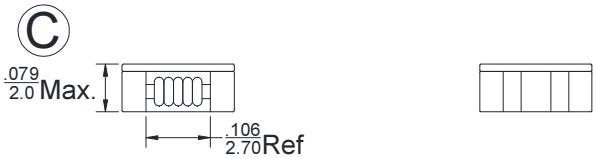
TOP VIEW



SUGGESTED PAD LAYOUT
PAD OF DEVICE

Mark

XXX---- Impedance



Rev.B

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Electrical Characteristics

Part Number	Common-Mode Impedance Z(Ω) at 100MHz	D.C. Resistance (Ω) Max.	Rated Current (A) Max.	Rated Voltage Vdc (V)	Insulation Resistance (MΩ) Min.	Mark
LCMF4520P1-301-2P	300 Typ.	0.045	3.0	50	10	301
LCMF4520P1-401-2P	400 Typ.	0.050	2.8	50	10	401
LCMF4520P1-421-2P	420 Typ.	0.055	2.8	50	10	421
LCMF4520P1-701-2P	700 Typ.	0.059	2.4	50	10	701
LCMF4520P1-901-2P	900 Typ.	0.060	2.3	50	10	901
LCMF4520P1-102-2P	1000 Typ.	0.068	2.1	50	10	102
LCMF4520P1-122-2P	1200 Typ.	0.074	2.0	50	10	122
LCMF4520P1-142-2P	1400 Typ.	0.081	1.9	50	10	142