

Common Mode SMD Filter for Power Line

LCMF Series LCMF1211P1

Features:

- Designed for noise suppression at DC power lines.
- Low profile (H = 6.4mm).
- 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.

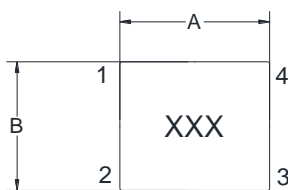
Product Identification:

LCMF 1 2 1 1 P1 - 8 0 0 - 2P
1 2 3 4 5

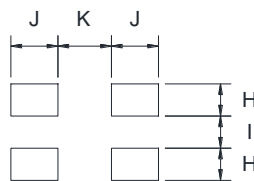
1. Series : LCMF= LinkCom Common Mode Filter
2. Dimension Code: 12.0mm x 10.8mm x 6.4mm
3. Shielding Type/Application P1=Power
4. Impedance Value 80Ω
5. Number of lines 2P=2-line

Dimension(mm):

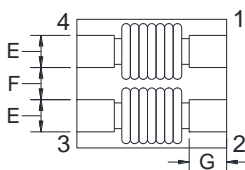
(Units: $\frac{\text{mm}}{\text{Inches}}$, Unless otherwise specified, all tolerances are $\pm\frac{0.25}{[.010]}$)



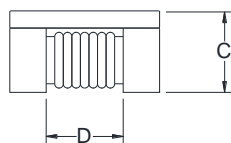
TOP VIEW



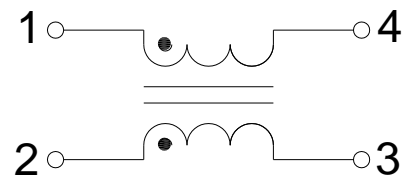
SUGGESTED PAD LAYOUT



BOTTOM VIEW



Schematic:



Mark

XXX---- Impedance

A	$\frac{12.0\pm0.50}{[.472\pm.019]}$	G	$\frac{2.5\pm0.20}{[.098\pm.008]}$
B	$\frac{10.8\pm0.50}{[.425\pm.019]}$	H	$\frac{2.9}{[.114]}$
C	$\frac{6.4 \text{ MAX}}{[.252 \text{ MAX}]}$	I	$\frac{2.3}{[.091]}$
D	$\frac{7.0 \text{ Typ}}{[.276 \text{ Typ.]}$	J	$\frac{2.7}{[.106]}$
E	$\frac{2.7\pm0.20}{[.106\pm.008]}$	K	$\frac{6.8}{[.268]}$
F	$\frac{2.5\pm0.20}{[.098\pm.008]}$		

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Electrical Characteristics

Part Number	Z(Ω) at 100MHz		D.C. Resistance (m Ω) Max.	Rated Current (A) Max.	Rated Voltage Vdc (V)	Insulation Resistance (M Ω) Min.	Mark
	Min.	Typ.					
LCMF1211P1-800-2P	80	230	2	10	125	10	800
LCMF1211P1-501-2P	300	500	5.5	8	125	10	501
LCMF1211P1-701-2P	500	700	6	8	125	10	701
LCMF1211P1-801-2P	600	800	8	8	125	10	801
LCMF1211P1-102-2P	750	1000	14	6	125	10	102
LCMF1211P1-222-2P	2200	2500	35	1.8	125	10	222
LCMF1211P1-272-2P	2300	2700	50	1.5	125	10	272