

Common Mode SMD Filter for Power Line

LCMF Series LCMF7060P1

Features:

- Designed for noise suppression at DC power lines.
- Low profile (H = 3.8mm).
- 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.

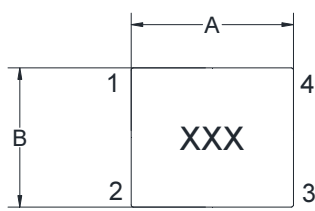
Product Identification

LCMF 7060 P1 - 800 - 2P
1 2 3 4 5

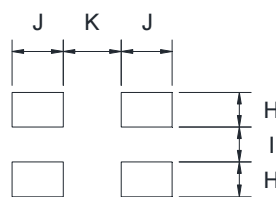
1. Series : LCMF= LinkCom Common Mode Filter
2. Dimension Code: 7.0mm x 6.0mm x 3.8mm
3. Shielding Type/Application P1=Power
4. Impedance Value 80Ω
5. Number of lines 2P=2-line

Dimension(mm)

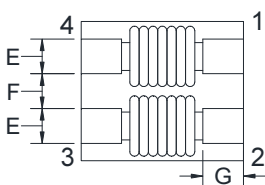
(Units: $\frac{\text{mm}}{\text{Inches}}$, Unless otherwise specified, all tolerances are $\pm \frac{0.25}{[.010]}$)



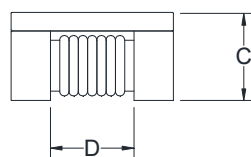
TOP VIEW



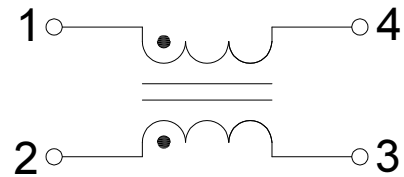
SUGGESTED PAD LAYOUT



BOTTOM VIEW



Schematic



Mark

XXX---- Impedance

A	$\frac{7.00 \pm 0.50}{[.276 \pm .019]}$	G	$\frac{1.70 \pm 0.20}{[.067 \pm .008]}$
B	$\frac{6.00 \pm 0.50}{[.236 \pm .019]}$	H	$\frac{1.50}{[.059]}$
C	$\frac{3.80 \text{ MAX}}{[.149 \text{ MAX}]}$	I	$\frac{1.50}{[.059]}$
D	$\frac{3.50 \text{ Typ}}{[.138 \text{ Typ.]}$	J	$\frac{2.20}{[.087]}$
E	$\frac{1.50 \pm 0.20}{[.059 \pm .008]}$	K	$\frac{2.50}{[.098]}$
F	$\frac{1.50 \pm 0.20}{[.059 \pm .008]}$		

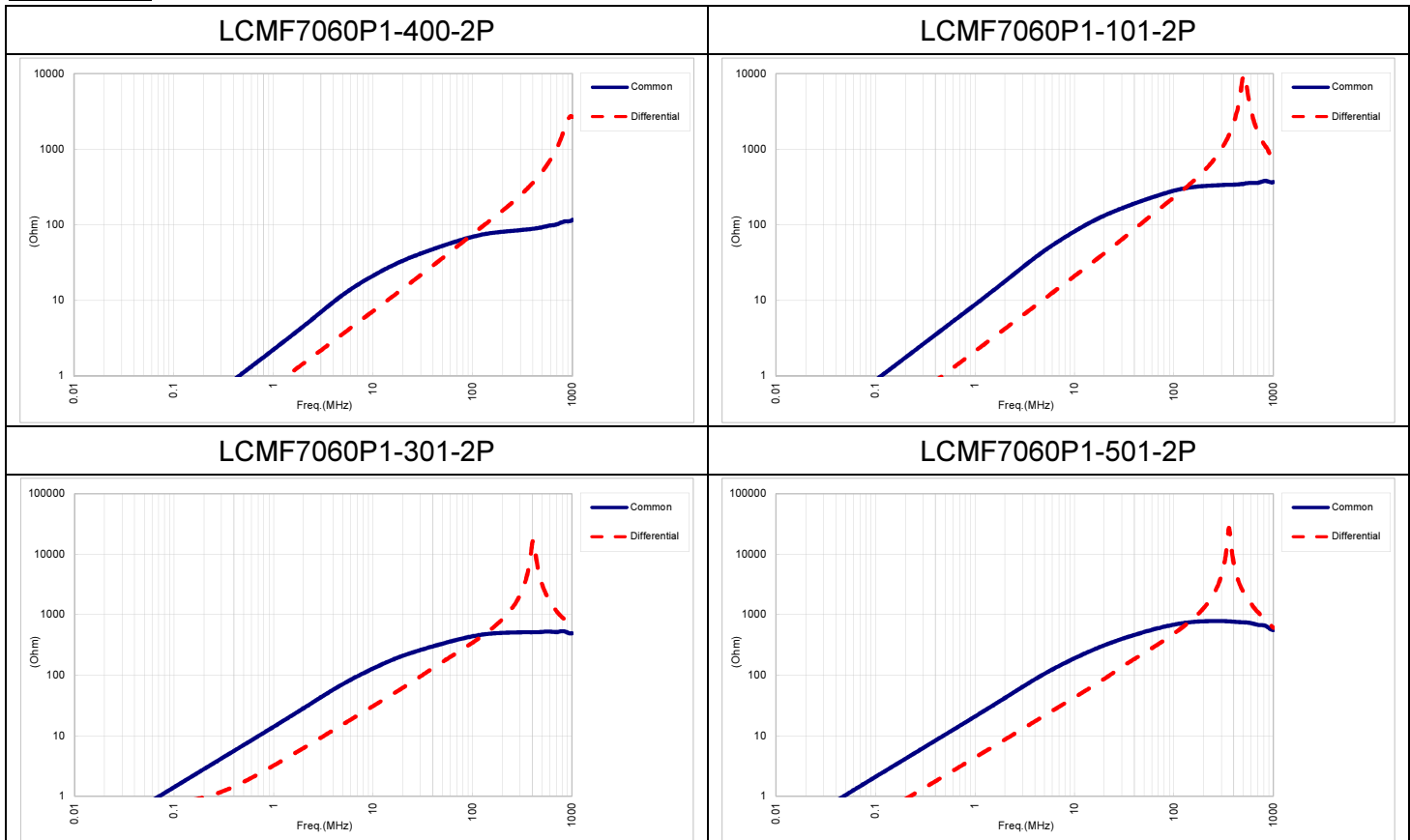
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Electrical Characteristics

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.					
LCMF7060P1-400-2P	40	70	5	15	80	10	400
LCMF7060P1-101-2P	100	140	10	9	80	10	101
LCMF7060P1-301-2P	225	300	10	5	80	10	301
LCMF7060P1-501-2P	275	350	10	5	80	10	501
LCMF7060P1-601-2P	500	700	15	4	80	10	601
LCMF7060P1-701-2P	500	700	15	4	80	10	701
LCMF7060P1-102-2P	800	1020	17	3	80	10	102
LCMF7060P1-132-2P	910	1300	21	2.5	80	10	132
LCMF7060P1-272-2P	2000	2700	63	1	80	10	272
LCMF7060P1-302-2P	2500	3000	75	0.9	80	10	302

Imedance



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