

DC common mode choke CPFC74B



Features

- SMD type / High reliability (Metal terminal structure)
- Excellent impedance characteristics
- Operating temperature range: $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$ (including self-heating)
- AEC-Q200 / RoHS compliant

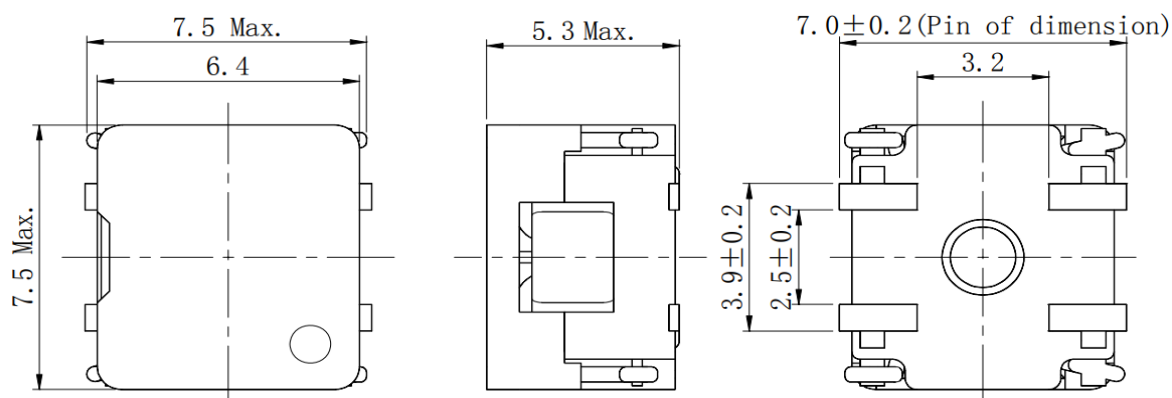


Applications

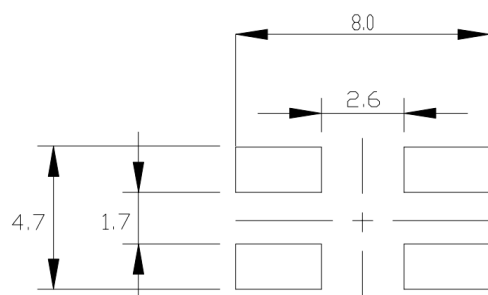
- Infotainment, Audio, Powertrain, Safety, Security, Body control, BMS etc. in automotive
- Noise suppression for DC power supply
- Available for various electronic devices in industrial and consumer

Dimension

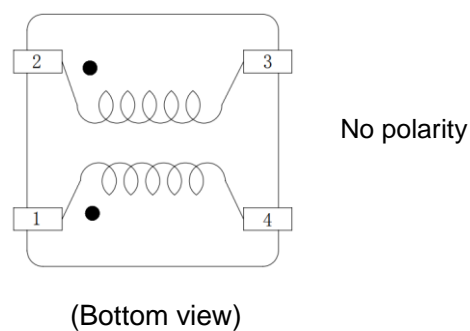
- Size (L x W x H): $7.5 \times 7.5 \times 5.3\text{mm}$ (Max)



Recommended Land pattern (mm)



Terminal connection



Note: This specification is subject to change without notice. Please contact your nearest sales office for updated information when placing an order.

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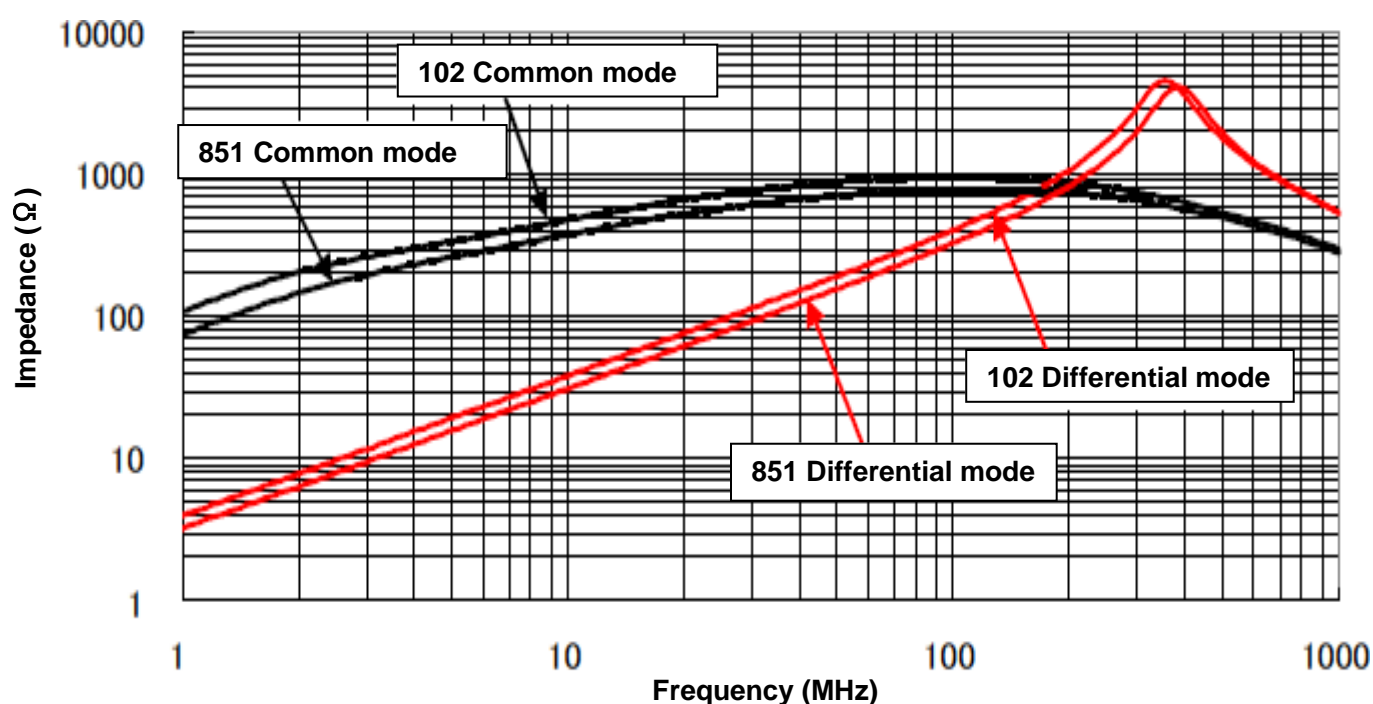
Electrical characteristics

Part No.	Impedance	DCR (per line)	Insulation resistance	Rated Current (1-2)
CPFC74BNP-102	600Ω Min (1000Ω Typ)	20mΩ Max	100MΩ Min	2.5A
CPFC74BNP-851	510Ω Min (850Ω Typ)	16mΩ Max		3.5A
Measurement conditions	at 100MHz, short (1-2), (3,4)	at 20°C	at 100VDC	short (3-4)

※ Rated Current: The value of DC current when the temperature rise of coil becomes $\Delta t = 40^\circ\text{C}$ ($T_a = 20^\circ\text{C}$)

※ Insulation resistance: 100V DC is applied between coil-core and coil-other parts for 1 minute.

Impedance Characteristics (Reference)



For sales office information, please [click here](#) to visit our website.

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