

AC common mode choke

UU9LF / UU9LFH



Features

- Low profile, compact design for AC lines / Cost effective version
- Noise suppression solutions across a wide impedance range
- Low resistance, capable of handling high current
- Operation temperature range: -40°C to +85 °C (Including coil's self-heat)
- RoHS compliant

Applications

- **Consumer Electronics**
TVs / Monitors, Projector, Printer, LED lighting, AC/Laptop adapters
- **Home Appliances**
Refrigerator, Air Purifier, Coffee Maker, Humidifier, Dehumidifier
- **Communication Devices**
Modem, VoIP Adapter, PBX, Landline phone, FAX, Intercom
- **Industrial Equipment**
Low power PLC, HMI, DIN Rail power supply, Industrial PC

UU9LF



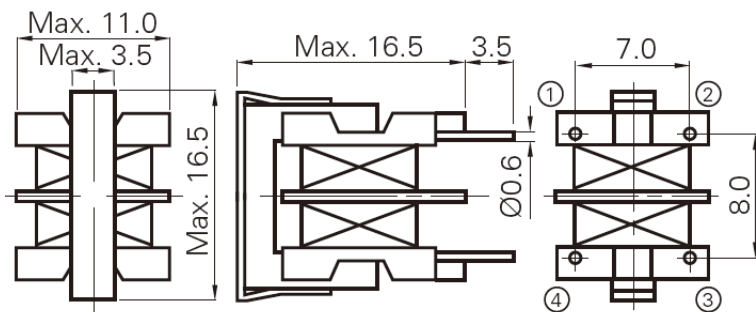
UU9LFH



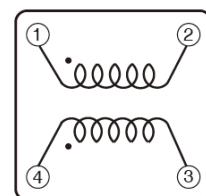
Custom design Available

Dimension

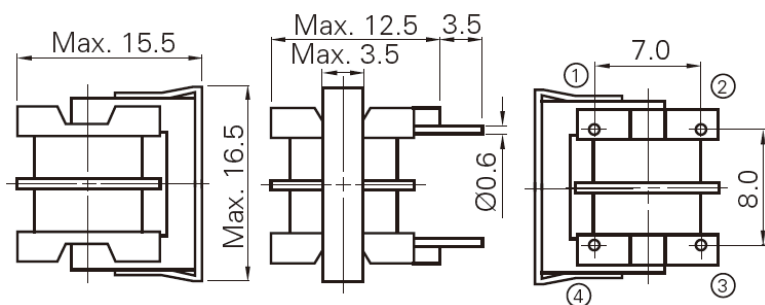
- UU9LF / Size (L x W x H): 11.0 × 16.5 × 16.5 (mm Max)



Schematics



- UU9LFH / Size (L x W x H): 15.5 × 16.5 × 12.5 (mm Max)



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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Specifications

Parts No.	Inductance (1-2) or (4-3) @1kHz	Inductance Balance	D.C.R. (1-2) or (4-3) @20°C	Rated Current (1-4) (2-3 shorted)
UU9LFNP-B-B471	Min. 470μH	Max. 25μH	Max. 150mΩ	1.0A
UU9LFNP-B-B681	Min. 680μH	Max. 25μH	Max. 250mΩ	850mA
UU9LFNP-B-B102	Min. 1.0mH	Max. 50μH	Max. 350mΩ	700mA
UU9LFNP-B-B222	Min. 2.2mH	Max. 50μH	Max. 700mΩ	500mA
UU9LFNP-B-B392	Min. 3.9mH	Max. 100μH	Max. 1.2Ω	380mA
UU9LFNP-B-B472	Min. 4.7mH	Max. 100μH	Max. 1.6Ω	340mA
UU9LFNP-B-B682	Min. 6.8mH	Max. 150μH	Max. 2.5Ω	250mA
UU9LFNP-B-B103	Min. 10.0mH	Max. 200μH	Max. 4.0Ω	200mA

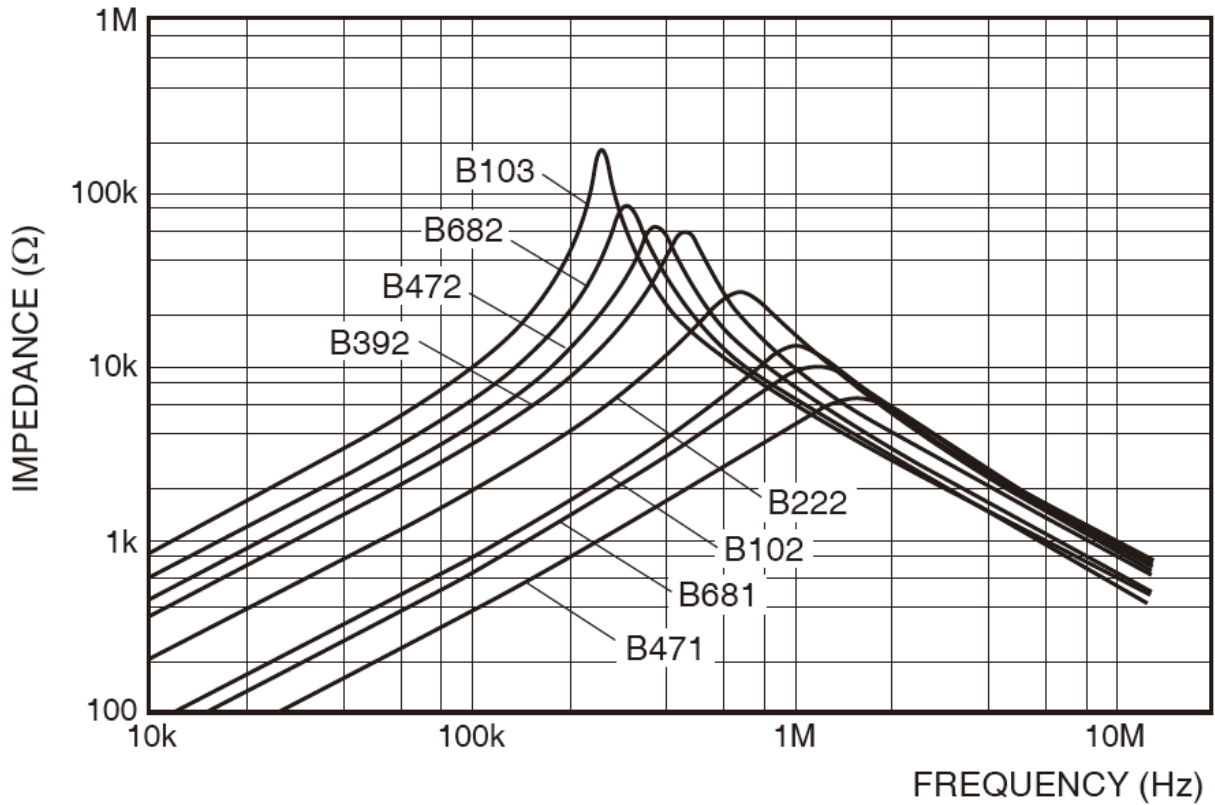
Parts No.	Inductance (1-2) or (4-3) @1kHz	Inductance Balance	D.C.R. (1-2) or (4-3) @20°C	Rated Current (1-4) (2-3 shorted)
UU9LFHNP-HB471	Min. 470μH	Max. 25μH	Max. 150mΩ	1.0A
UU9LFHNP-HB681	Min. 680μH	Max. 25μH	Max. 250mΩ	850mA
UU9LFHNP-HB102	Min. 1.0mH	Max. 50μH	Max. 350mΩ	700mA
UU9LFHNP-HB222	Min. 2.2mH	Max. 50μH	Max. 700mΩ	500mA
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UU9LFHNP-HB103	Min. 10.0mH	Max. 200μH	Max. 4.0Ω	200mA

※ Rated Current: The current at which the coil's temperature rise reaches $\Delta t = 40^\circ\text{C}$ ($T_a = 20^\circ\text{C}$)

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Impedance characteristics



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

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