

PLT10HH401100PN#

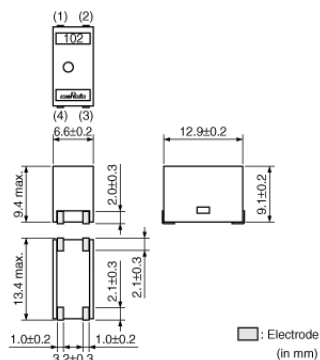
“#” indicates a package specification code.



< List of part numbers with package codes >

PLT10HH401100PNL PLT10HH401100PNK PLT10HH401100PNB

Appearance & Shape



Features

Features

1. Meets large current up to 18Amax. suitable for power lines.
2. Meets to surface mounting.
3. Large common mode impedance up to 1000ohm [at 10MHz] enables good noise suppression effect.
4. Wide operating temperature range.
-55°C to 125°C
[PLT10HH101150PN / PLT10HH401100PN /
PLT10HH450180PN / PLT10HH9016R0PN]
-55°C to 105°C
[PLT10HH1026R0PN / PLT10HH501100PN]

Applications

Application

Common mode noise suppression for motors in automotive equipments, audio amps for automotive, car navigations.
Also available for non-automotive applications.

| | |
|------------------|-------------------|
| Automotive Usage | Powertrain/Safety |
|------------------|-------------------|

Packaging Information

| Packaging | Specifications | Minimum Order Quantity |
|-----------|---------------------|------------------------|
| L | 180mm Embossed Tape | 125 |
| K | 330mm Embossed Tape | 500 |
| B | Bulk(Bag) | 50 |

Attention

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2.This datasheet has only typical specifications because there is no space for detailed specifications.
Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

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Specifications

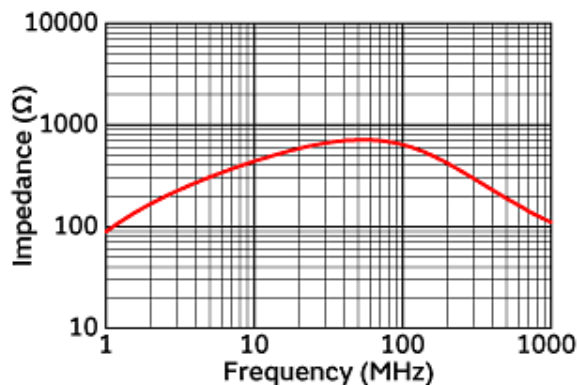
| | | | |
|--|----------------|--|---------|
| Shape | SMD | Number of Circuit | 1 |
| Length | 12.9mm | Common Mode Inductance | 6μHmin. |
| Length Tolerance | ±0.2mm | Operating Temperature Range(Self-temperature rise is included) | Yes |
| Width | 6.6mm | | |
| Width Tolerance | ±0.2mm | | |
| Thickness | 9.4mm | | |
| Thickness Tolerance | max. | | |
| Common Mode Impedance (at 10MHz) | 400Ω | | |
| Common Mode Impedance (at 10MHz) Tolerance | (Typ.) | | |
| Rated Current | 10A | | |
| Rated Voltage | 100Vdc | | |
| Withstanding Voltage | 250Vdc | | |
| DC Resistance(max.) | 4.1mΩ | | |
| DC Resistance | 3.6mΩ±0.5mΩ | | |
| Insulation Resistance(min.) | 10MΩ | | |
| Operating Temperature Range | -55°C to 125°C | | |
| Mass(typ.) | 2.1g | | |

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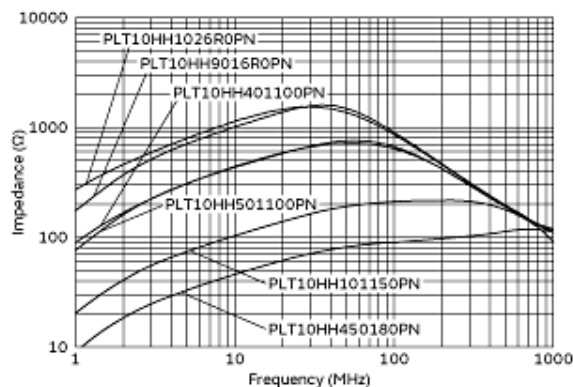
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Product Data



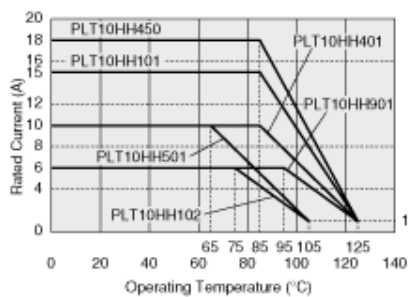
Impedance-Frequency Characteristics



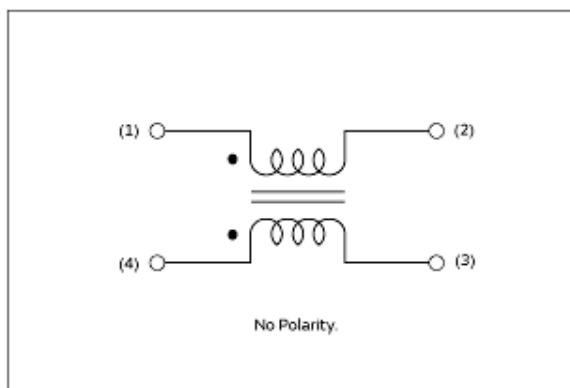
Impedance-Frequency Characteristics
(Main Items)

In operating temperature exceeding +65°C, derating of current is necessary for PLT10H series.
Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Derating of Rated Current



Equivalent Circuit

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