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PLT10HH9016R0PN#

"#"at the end indicates the package specification code.

In Production | AEC-Q200 | RoHS | REACH

< List of part numbers with package codes >

PLT10HH9016R0PNB PLT10HH9016R0PNK PLT10HH9016R0PNL

Applications

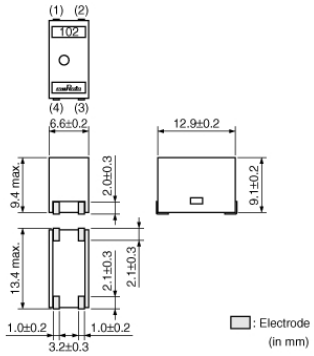
Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	Automotive powertrain/safety equipment, Automotive infotainment/comfort equipment,Consumer equipment, Medical equipment [GHTF A/B/C] except for implant & surgery & auto injector,Industrial Equipment Please refer to Our Website and specifications, etc. for information about the performance, functions, quality, management, and safety required for the above applications, and use Products after confirming the performance and reliability of the actual Product.
Recommended Applications	Automotive powertrain/safety equipment

Packaging Information

Packaging	Specifications	Standard Packing Quantity
B	Bulk(Bag)	50
K	330mm Embossed Tape	500
L	180mm Embossed Tape	125

Appearance & Shape





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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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PLT10HH9016R0PN#

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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]

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

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PLT10HH9016R0PN#

"#"at the end indicates the package specification code.

Specifications

Shape	SMD
Length	12.9mm
Length Tolerance	±0.2mm
Width	6.6mm
Width Tolerance	±0.2mm
Thickness	9.4mm
Thickness Tolerance	max.
Common Mode Impedance (at 10MHz)	900Ω
Common Mode Impedance (at 10MHz) Tolerance	(Typ.)
Rated Current	6A
Derating of Rated Current	Yes (Over 95℃) *For details, please check the derating diagram.
Rated Voltage	100Vdc
Withstanding Voltage	250Vdc
DC Resistance(max.)	8.5mΩ
DC Resistance	8.0mΩ±0.5mΩ
Insulation Resistance(min.)	10MΩ
Operating Temperature Range	-55℃ to 125℃
Mass(typ.)	2.1g
Number of Circuit	1
Common Mode Inductance	14μH min.
Operating Temperature Range(Self-temperature rise is included)	Yes
Brand	Murata

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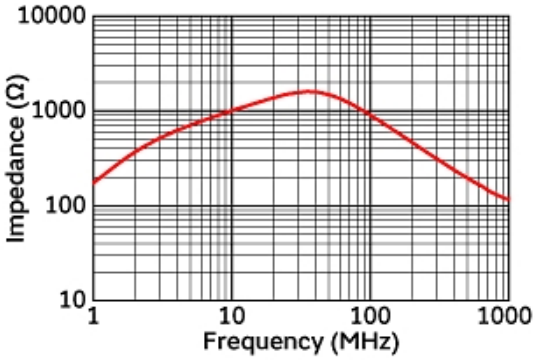
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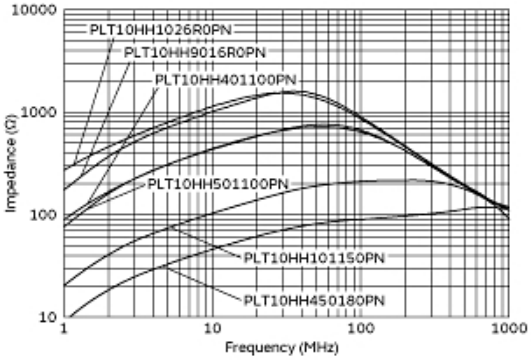
PLT10HH9016R0PN#

"#"at the end indicates the package specification code.

Product Data



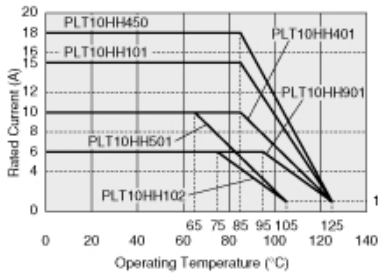
Impedance-Frequency Characteristics



Impedance-Frequency Characteristics (Main Items)

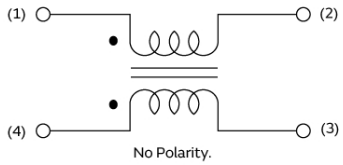
In operating temperature exceeding +65°C, derating of current is necessary for PLT10H series.
Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current

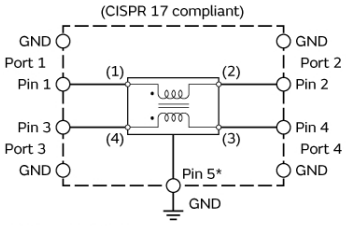


Derating of Rated Current

■ Equivalent Circuit (Note 1)



Note1: The Port/Pin No. of the Simulation Model provided by our company is as follows.



S-parameter: Port□
SPICE model: Pin□ (Pin5* connect to GND)

Equivalent Circuit

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