

PLT10HN401100P0#

“#” indicates a package specification code.

In Production

RoHS

REACH

< List of part numbers with package codes >

PLT10HN401100P0B

Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	Consumer equipment, Medical [Ask Murata] 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.

Packaging Information

Packaging	Specifications	Standard Packing Quantity
B	Bulk(Bag)	100

Features

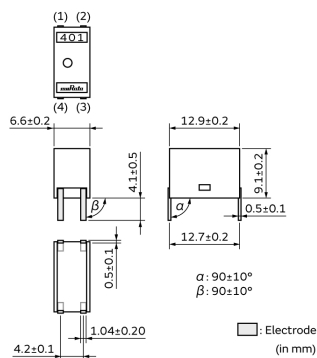
Features

1. Meets large current up to 18A max. suitable for power lines.
2. Leaded type.
3. Large common mode impedance up to 400ohm [at 10MHz] enables good noise suppression effect.
4. Wide operating temperature range from -55°C to 125°C.
[PLT10HN401100P0 / PLT10HN101150P0 / PLT10HN450180P0]

Application

Common mode noise suppression for power supply lines.

Appearance & Shape



Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.

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

Brand	Murata
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Shape	Lead
Length	12.9mm
Length Tolerance	±0.2mm
Width	6.6mm
Width Tolerance	±0.2mm
Thickness	9.1mm
Thickness Tolerance	±0.2mm
Common Mode Impedance (at 10MHz)	400Ω
Common Mode Impedance (at 10MHz) Tolerance	(Typ.)
Rated Current	10A
Derating of Rated Current	Yes (Over 85°C) *For details, please check the derating diagram.
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
Number of Circuit	1
Common Mode Inductance	6μH min.
Operating Temperature Range(Self-temperature rise is included)	Yes

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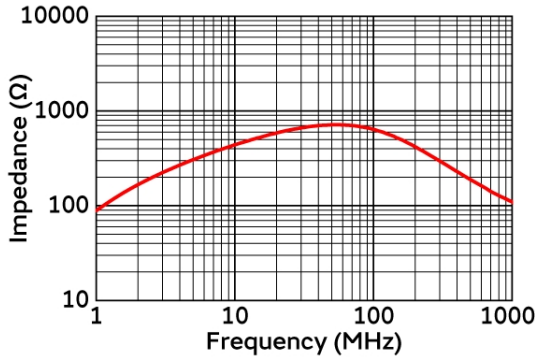
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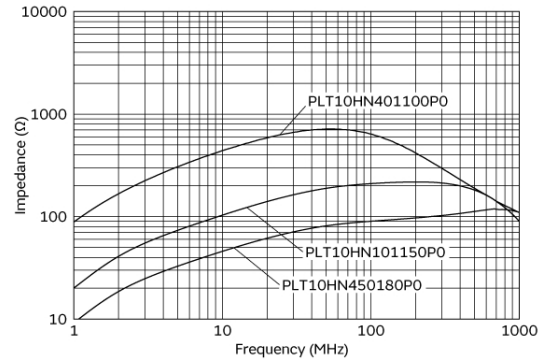
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Product Data



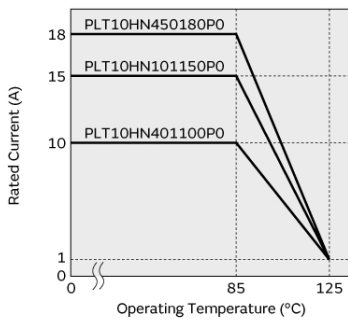
Impedance-Frequency Characteristics



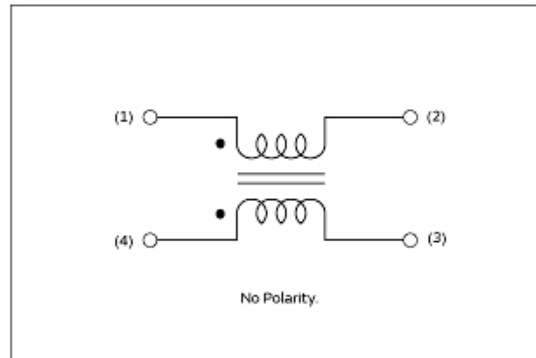
Impedance-Frequency Characteristics
(Main Items)

In operating temperature exceeding +85°C, derating of current is necessary for PLT10HN 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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