

PLT10HN450180P0#

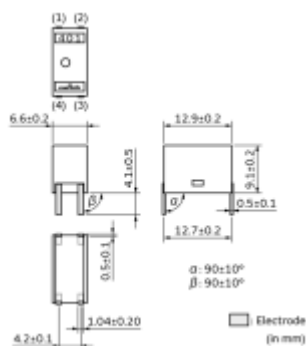
“#” indicates a package specification code.

In Production **RoHS** **REACH**

< List of part numbers with package codes >

PLT10HN450180P0B

Appearance & Shape



Features

Features

1. Meets large current up to 18A max. suitable for power lines.
 2. Lead 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.

 Applications

Other Usage	For general
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 Packaging Information

Packaging	Specifications	Minimum Order Quantity
B	Bulk(Bag)	100

Attention

1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's 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

Shape	Lead	Mass(typ.)	2.1g
Length	12.9mm	Number of Circuit	1
Length Tolerance	±0.2mm	Common Mode Inductance	0.8μH min.
Width	6.6mm	Operating Temperature Range(Self-temperature rise is included)	Yes
Width Tolerance	±0.2mm		
Thickness	9.1mm		
Thickness Tolerance	±0.2mm		
Common Mode Impedance (at 10MHz)	45Ω		
Common Mode Impedance (at 10MHz) Tolerance	(Typ.)		
Rated Current	18A		
Derating of Rated Current	Yes(Over 85°C) *For details, please check the derating diagram.		
Rated Voltage	300Vdc		
Withstanding Voltage	750Vdc		
DC Resistance(max.)	1.8mΩ		
DC Resistance	1.3mΩ±0.5mΩ		
Insulation Resistance(min.)	10MΩ		
Operating Temperature Range	-55°C to 125°C		

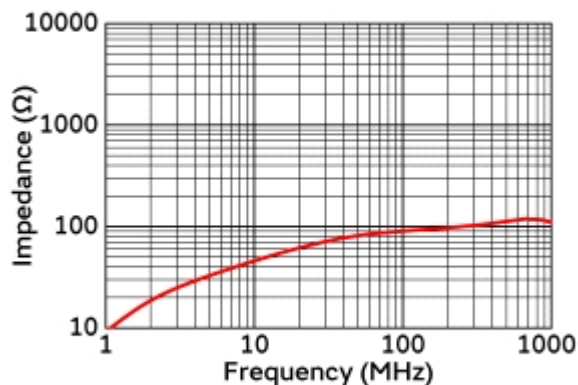
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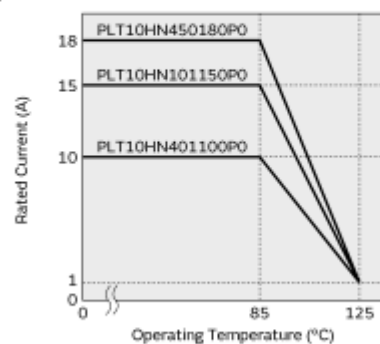
Product Data



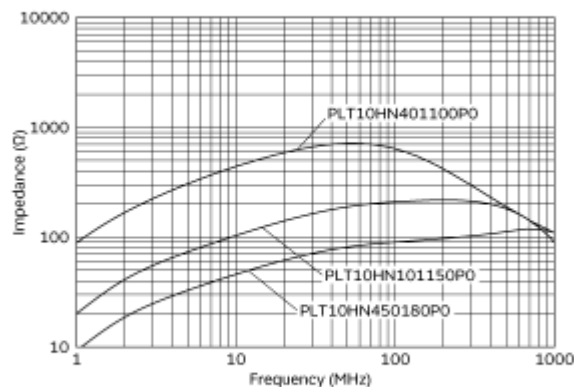
Impedance-Frequency Characteristics

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.

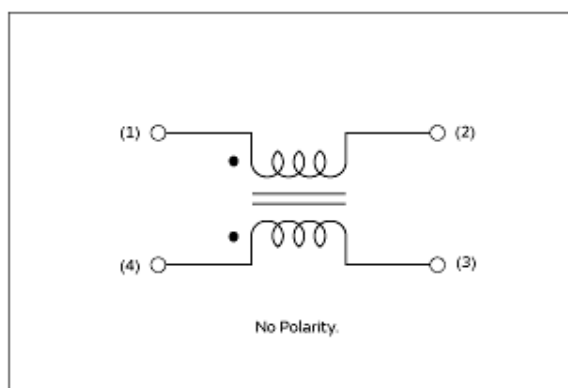
Derating of Rated Current



Derating of Rated Current



Impedance-Frequency Characteristics
(Main Items)



Equivalent Circuit

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