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http://www.murata.com/en/products/productdetail?partno=PLT5BPH5013R1SN%23

PLT5BPH5013R1SN#

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

In Production | AEC-Q200 | RoHS | REACH

< List of part numbers with package codes >

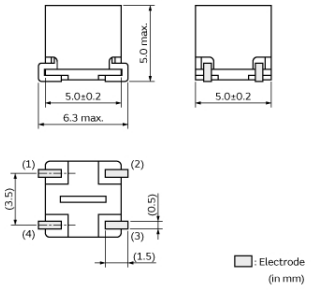
PLT5BPH5013R1SNB PLT5BPH5013R1SNL

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

Appearance & Shape





Packaging Information

Packaging	Specifications	Standard Packing Quantity
B	Bulk(Bag)	50
L	180mm Embossed Tape	300

Features

Features
1.It can be used under the -55 °C ~ +150 °C usage environment.
2.Meets large current up to 5.6Amax. suitable for power lines.
3.Meets to surface mounting.
4.Large common mode impedance up to 500ohm (at 10mhz) enables good noise suppression effect.

Application
Common mode noise suppression in automotive equipments, audio amps for automotive, car navigations, and other general power lines.

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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PLT5BPH5013R1SN#

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Specifications

Brand	Murata

Shape	SMD
Size Code (in mm)	5050
Size Code (in inch)	2020
Length	5.0mm
Length Tolerance	±0.2mm
Width	5.0mm
Width Tolerance	±0.2mm
Thickness	5.0mm
Thickness Tolerance	max.
Common Mode Impedance (at 10MHz)	500Ω
Common Mode Impedance (at 10MHz) Tolerance	(Typ.)
Rated Current	3.1A
Derating of Rated Current	Yes (Over 125℃) *For details, please check the derating diagram.
Rated Voltage	80Vdc
Withstanding Voltage	200Vdc
DC Resistance(max.)	22.1mΩ
DC Resistance	17mΩ±30%
Insulation Resistance(min.)	10MΩ
Operating Temperature Range	-55℃ to 150℃
Mass(typ.)	0.48g
Number of Circuit	1
Operating Temperature Range(Self-temperature rise is included)	No

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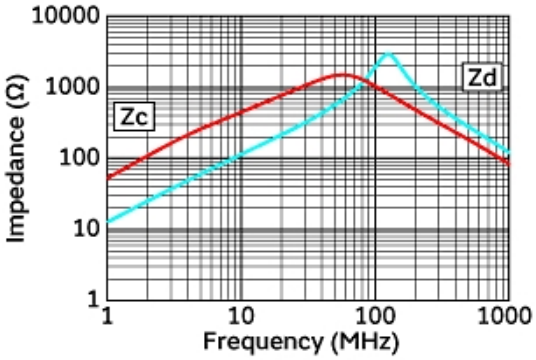
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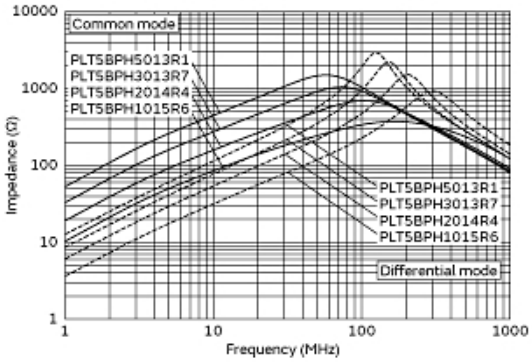
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Product Data



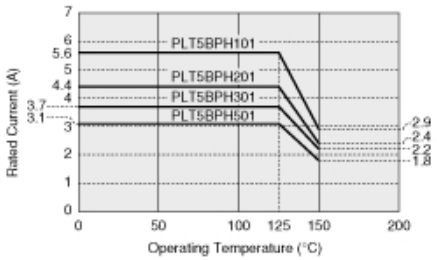
Impedance-Frequency Characteristics



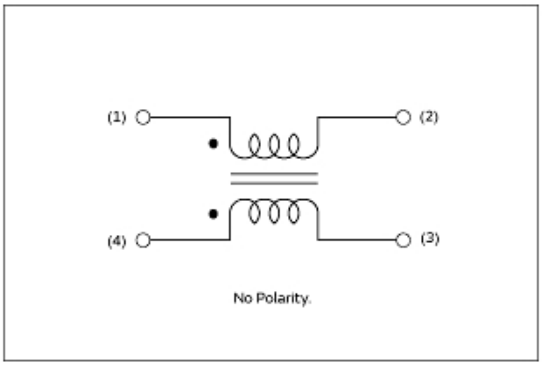
Impedance-Frequency Characteristics (Main Items)

In operating temperature exceeding +125°C, derating of current is necessary for PLT5BP 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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