

PLT09HN2003R0P1#

“#” at the end indicates the package specification code.

In Production

RoHS

REACH

< List of part numbers with package codes >
PLT09HN2003R0P1B

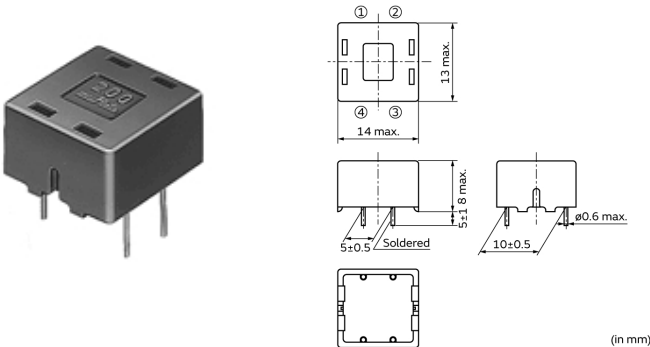
Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	Consumer equipment, Medical equipment [GHTF A/B/C] except for implant & surgery & auto injector, Industrial equipment except for transportation & facility & energy 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	Consumer equipment

Packaging Information

Packaging	Specifications	Standard Packing Quantity
B	Box	100

Appearance & Shape



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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Features

PLT09H series is a common mode choke coil for DC lines. It is effective against the common mode noise that can cause radiative noise in power supply lines and interface lines. The additional normal mode inductance enables high suppression effect to radiation noise.

Features

1. This is a wide frequency range type, applicable in applications ranging from a few MHz to several 100MHz.
2. It features a low-profile design.

Applications

1. Noise suppression of SW power supply, DC-DC converter
2. DC power lines in AC adapter of Portable equipment

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Specifications

Shape	Lead
Length	14.0mm
Length Tolerance	max.
Width	13.0mm
Width Tolerance	max.
Thickness	8.0mm
Thickness Tolerance	max.
Rated Current	3A
Derating of Rated Current	No
Rated Voltage	50Vdc
Withstanding Voltage	125Vdc
DC Resistance(max.)	0.03Ω
DC Resistance	0.03Ω max.
Insulation Resistance(min.)	10MΩ
Operating Temperature Range	-40°C to 85°C
Mass(typ.)	2.1g
Number of Circuit	1
Common Mode Inductance	20μH min.
Operating Temperature Range(Self-temperature rise is included)	No
Brand	Murata

Attention

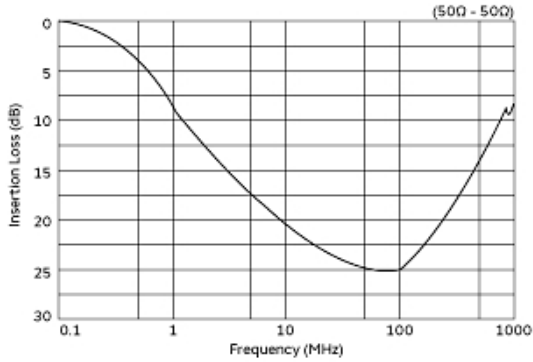
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<http://www.murata.com/en-us/products/productdetail?partno=PLT09HN2003R0P1%23>

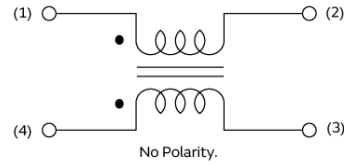
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Product Data

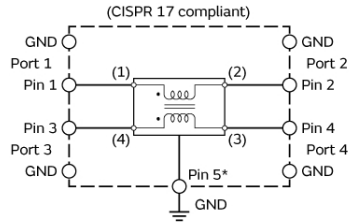


Insertion Loss Characteristics

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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