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Please download the latest datasheet of DLM11CN500HH2# from the official website of Murata

http://www.murata.com/en/products/productdetail?partno=DLM11CN500HH2%23

DLM11CN500HH2#

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

In Production | New | AEC-Q200 | RoHS | REACH

< List of part numbers with package codes >

DLM11CN500HH2L

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,Medical equipment [GHTF A/B/C] except for implant & surgery & auto injector 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

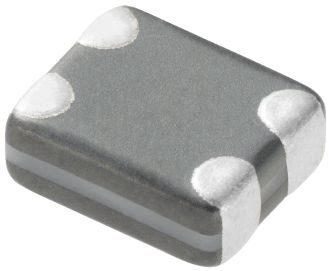
Packaging Information

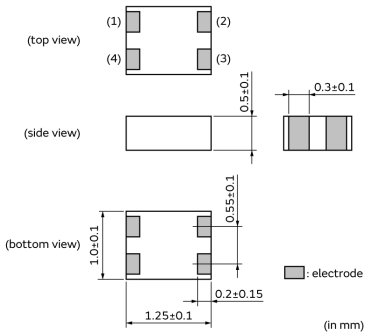
Packaging	Specifications	Standard Packing Quantity
L	180mm Embossed Tape	4000

Features

1.Small size and tight dimensional tolerance
Size:1.25x1.0x0.5mm
Tolerance:+-0.1mm
2. High common mode impedance up to 200ohm (at 100MHz)is available.
3. Prevents signal damaging in high speed differential lines.
4. Automotive grade product.

Appearance & Shape





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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DLM11CN500HH2#

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

Specifications

Brand	Murata

Shape	SMD
Size Code (in mm)	1210
Size Code (in inch)	0504
Length	1.25mm
Length Tolerance	±0.1mm
Width	1.0mm
Width Tolerance	±0.1mm
Thickness	0.5mm
Thickness Tolerance	±0.1mm
Common Mode Impedance (at 100MHz)	45Ω
Common Mode Impedance (at 100MHz) Tolerance	±25%
Rated Current	100mA
Derating of Rated Current	No
Rated Voltage	5Vdc
Withstanding Voltage	12.5Vdc
DC Resistance(max.)	2.5Ω
DC Resistance	2.0Ω±25%
Insulation Resistance(min.)	10MΩ
Cut-off Frequency	6GHz (Typ.)
Operating Temperature Range	-55℃ to 125℃
Mass(typ.)	3.0mg
Number of Circuit	1
Operating Temperature Range(Self-temperature rise is included)	No

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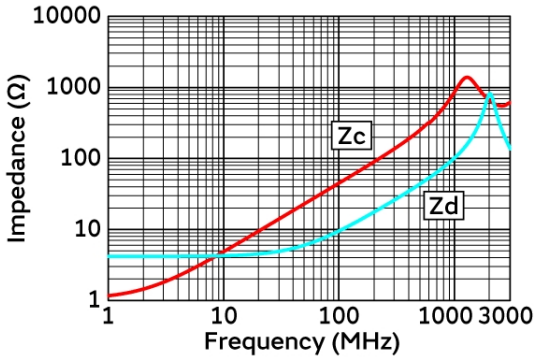
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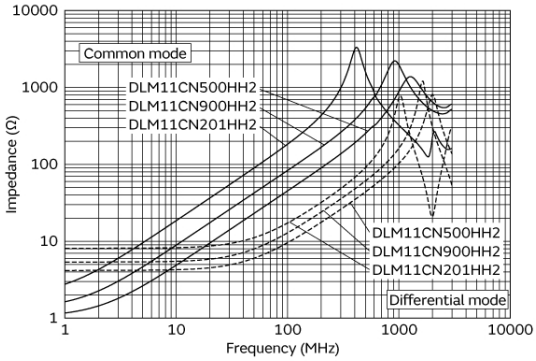
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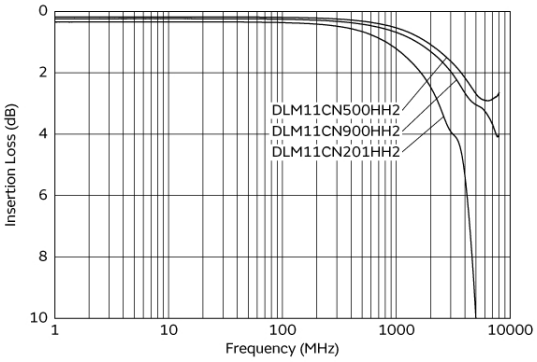
Product Data



Impedance-Frequency Characteristics

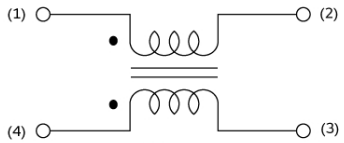


Impedance-Frequency Characteristics (Main Items)

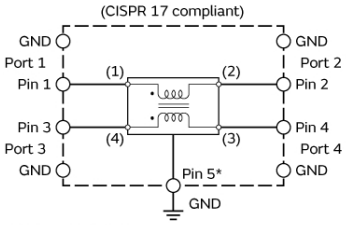


Differential Mode Transmission Characteristics (Typical Value)

■ 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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