Note: This datasheet may be out of date.
Please download the latest datasheet of DLW21SH900HQ2# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=DLW21SH900HQ2%23

DLW21SH900HQ2#

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

In Production | AEC-Q200 | RoHS | REACH

< List of part numbers with package codes >

DLW21SH900HQ2B DLW21SH900HQ2L

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, USB2.0,LVDS,HDMI 1.4b,HDMI 2.0, USB3.1 Gen2

Packaging Information

Packaging	Specifications	Standard Packing Quantity
B	Bulk(Bag)	500
L	180mm Embossed Tape	2000

Features

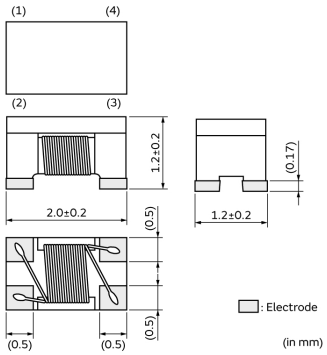
1. Small size: 2.0x1.2x1.2mm
2. Available for high density mounting (Narrow pitch)

■Application

Common mode noise suppression for automotive interfaces such as USB,LVDS,PCIe

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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DLW21SH900HQ2#

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

Specifications

Brand	Murata

Shape	SMD
Size Code (in mm)	2012
Size Code (in inch)	0805
Length	2.0mm
Length Tolerance	±0.2mm
Width	1.2mm
Width Tolerance	±0.2mm
Thickness	1.2mm
Thickness Tolerance	±0.2mm
Common Mode Impedance (at 100MHz)	90Ω
Common Mode Impedance (at 100MHz) Tolerance	±25%
Rated Current	280mA
Derating of Rated Current	Yes (Over 105℃) *For details, please check the derating diagram.
Rated Voltage	20Vdc
Withstanding Voltage	50Vdc
DC Resistance(max.)	0.416Ω
DC Resistance	0.32Ω±30%
Insulation Resistance(min.)	10MΩ
Operating Temperature Range	-40℃ to 125℃
Mass(typ.)	0.011g
Number of Circuit	1
Operating Temperature Range(Self-temperature rise is included)	No

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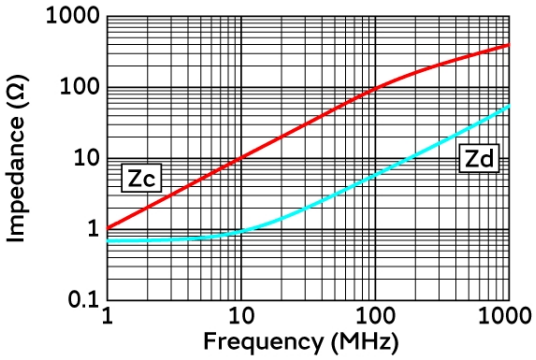
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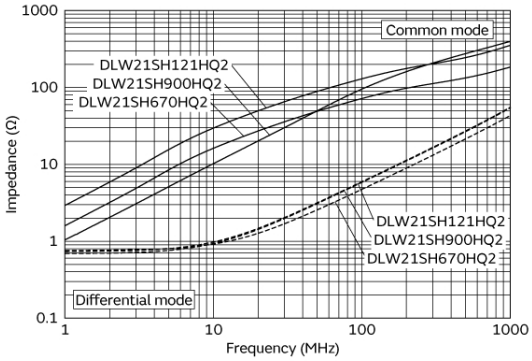
DLW21SH900HQ2#

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

Product Data



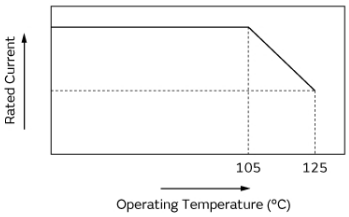
Impedance-Frequency Characteristics



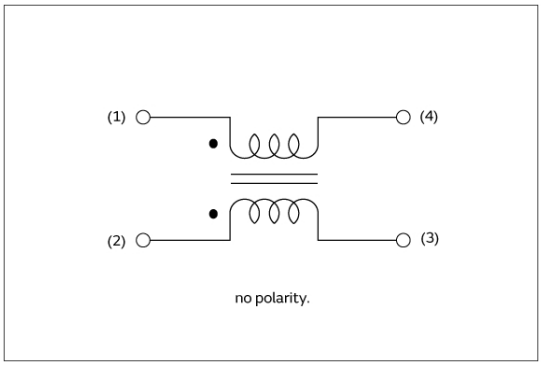
Impedance-Frequency Characteristics (Main Items)

In operating temperature exceeding +105°C, derating of current is necessary for this 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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