

DLW21SH391XQ2#

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



< List of part numbers with package codes >

DLW21SH391XQ2B DLW21SH391XQ2L

Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	<p>Automotive powertrain/safety equipment, Automotive infotainment/comfort equipment, Medical equipment [GHF A/B/C] except for implant & surgery & auto injector</p> <p>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.</p>
Recommended Applications	Automotive powertrain/safety equipment, PoC [Power over Coax], LVDS

Packaging Information

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

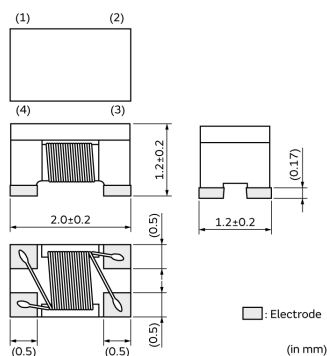
Features

1. Small size: 2.0x1.2x1.2mm
2. High rated current available (300mA)
3. Available for high density mounting (Narrow pitch)

■Application

Measures against common mode noise in PoC circuit for high-speed interfaces (SerDes) such as in-vehicle cameras.

Appearance & Shape



Attention

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

Brand	Murata
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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)	390Ω
Common Mode Impedance (at 100MHz) Tolerance	±25%
Rated Current	300mA
Derating of Rated Current	Yes (Over 105°C) *For details, please check the derating diagram.
Rated Voltage	20Vdc
Withstanding Voltage	50Vdc
DC Resistance(max.)	0.36Ω
DC Resistance	0.30Ω±20%
Insulation Resistance(min.)	10MΩ
Operating Temperature Range	-40°C to 125°C
Mass(typ.)	0.011g
Number of Circuit	1
Operating Temperature Range(Self-temperature rise is included)	No

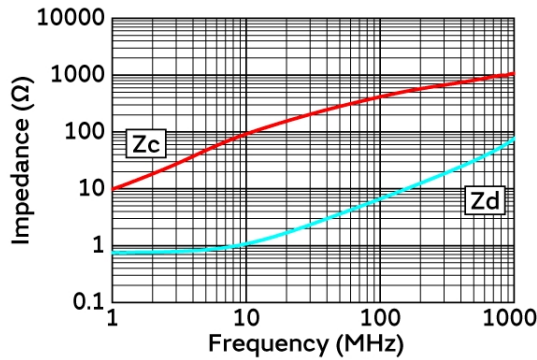
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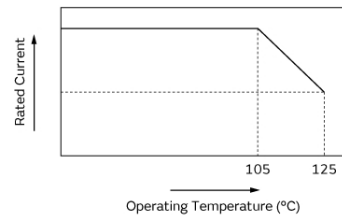
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Product Data



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.

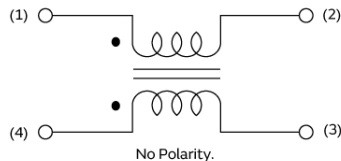
Derating of Rated Current



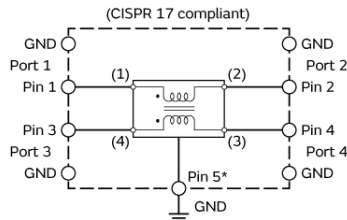
Impedance-Frequency Characteristics

Derating of Rated Current

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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