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Please download the latest datasheet of DLW32SH510XF2# from the official website of Murata

http://www.murata.com/en-gb/products/productdetail?partno=DLW32SH510XF2%23

DLW32SH510XF2#

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

For CAN/CAN-FD DCMR Class3 Compliance

In Production | AEC-Q200 | RoHS | REACH

< List of part numbers with package codes >

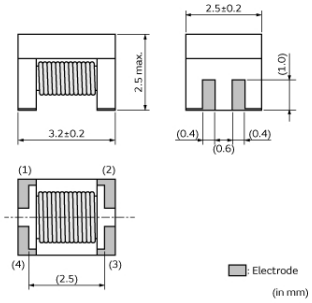
DLW32SH510XF2B DLW32SH510XF2L

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, CAN [Controller Area Network]

Appearance & Shape





Packaging Information

Packaging	Specifications	Standard Packing Quantity
B	Bulk(Bag)	500
L	180mm Embossed Tape	1500

Features

1. Suitable for noise suppression at car area networks like CAN/CAN-FD.
   (IEC62228-3 DCMR Class3 Compliance)
2. High common mode impedance at high frequency range.
   So it is suitable for noise suppression through wide frequency range.
3. Wide operating temperature range (-40 to +125 degrees C)

Applications
Common mode noise suppression for car area networks like CAN/CAN-FD.

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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DLW32SH510XF2#

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

Specifications

Shape	SMD
Size Code (in mm)	3225
Size Code (in inch)	1210
Length	3.2mm
Length Tolerance	±0.2mm
Width	2.5mm
Width Tolerance	±0.2mm
Thickness	2.5mm
Thickness Tolerance	max.
Rated Current	125mA
Derating of Rated Current	No
Rated Voltage	50Vdc
Withstanding Voltage	125Vdc
DC Resistance(max.)	1.9Ω
DC Resistance	1.9Ω max.
Insulation Resistance(min.)	10MΩ
Operating Temperature Range	-40℃ to 125℃
Mass(typ.)	0.069g
Number of Circuit	1
Common Mode Inductance	51μH-30%/+50% (at 0.1MHz)
Operating Temperature Range(Self-temperature rise is included)	No
Brand	Murata

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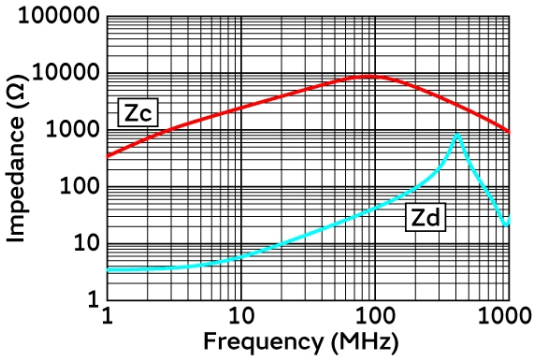
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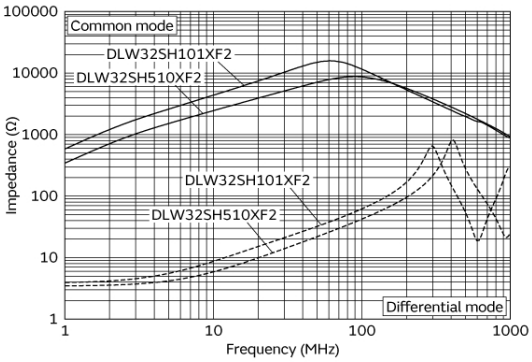
DLW32SH510XF2#

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Product Data

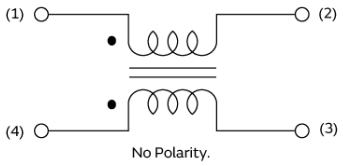


Impedance-Frequency Characteristics

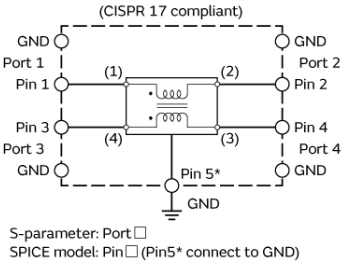


Impedance-Frequency Characteristics (Main Items)

■ 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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