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DLW21HN121SQ2#

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

In Production RoHS REACH

< List of part numbers with package codes >

DLW21HN121SQ2B DLW21HN121SQ2L

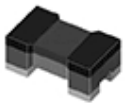
Applications

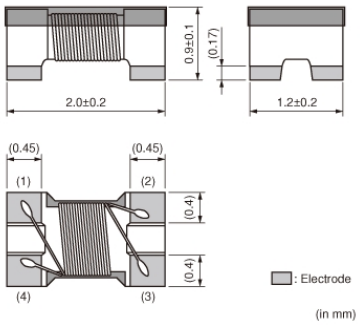
Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	Consumer equipment,Medical equipment [GHTF A/B/C] except for implant & surgery & auto injector, Industrial equipment except for transportation & facility & energy equipment Please refer to 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	Bulk(Bag)	500
L	180mm Embossed Tape	3000

Appearance & Shape





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2.This datasheet has only typical specifications because there is no space for detailed specifications.
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DLW21HN121SQ2#

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

Features

1. Small size and low profile (2.0x1.2x0.9mm). Excellent noise suppression for sets of small and thin size.
2. High common mode impedance at high frequency effects excellent noise suppression performance.
3. Various common mode impedance from 67 to 180 ohm can be used, selected depending on noise level and signal frequency.
4. Suitable for differential signal line like USB2.0, IEEE1394 and LVDS, because DLW21H does not provide distortion to high speed signal transmission due to its high coupling. (USB2.0: DLW21HN900SQ2)
5. Small dimension enables higher density mounting

Applications
Common mode noise suppression of signal lines in high speed and high density digital equipment such as PCs and peripherals and telecommunications equipment.

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DLW21HN121SQ2#

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Specifications

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	0.9mm
Thickness Tolerance	±0.1mm
Common Mode Impedance (at 100MHz)	120Ω
Common Mode Impedance (at 100MHz) Tolerance	±25%
Rated Current	280mA
Derating of Rated Current	No
Rated Voltage	50Vdc
Withstanding Voltage	125Vdc
DC Resistance(max.)	0.45Ω
DC Resistance	0.45Ω max.
Insulation Resistance(min.)	10MΩ
Operating Temperature Range	-40℃ to 85℃
Mass(typ.)	0.009g
Number of Circuit	1
Operating Temperature Range(Self-temperature rise is included)	No
Brand	Murata

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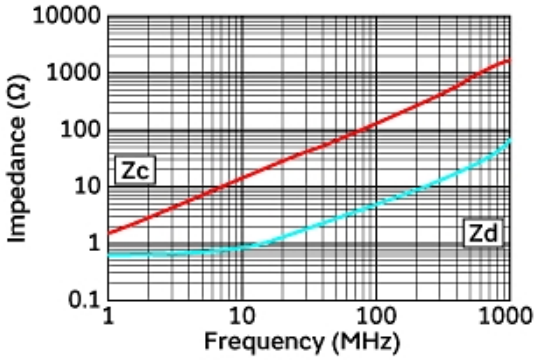
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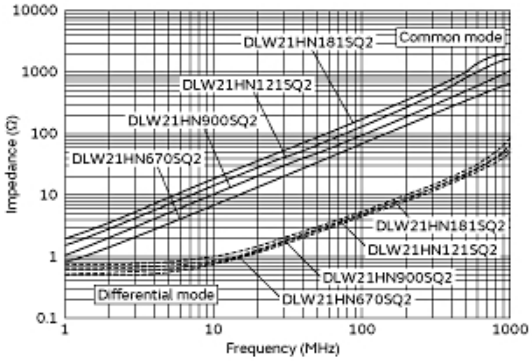
DLW21HN121SQ2#

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Product Data

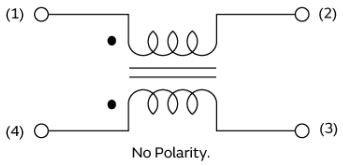


Impedance-Frequency Characteristics

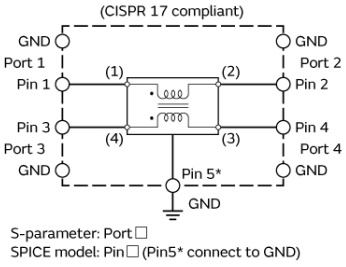


Impedance-Frequency Characteristics (Main Items)

■ 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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