

DLW21SN900HQ2#

“#” indicates a package specification code.

In Production

RoHS

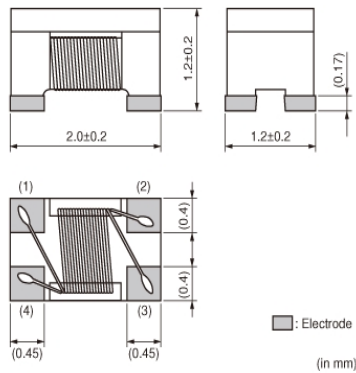
REACH

< List of part numbers with package codes >

DLW21SN900HQ2L

DLW21SN900HQ2B

Appearance & Shape



Features

1. Small size: 2.0x1.2x1.2mm
2. Common mode impedance items of 67, 90 and 120 ohm, and they can be used for various differential signal lines, DLW21SN_HQ/DLW21SZ_HQ/DLW21SR_HQ series matches line impedance of 100 ohm line.
3. This series can suppress noise for the high-speed differential signal lines which are used in digital AV interfaces, such as HDMI and DVI, without damage to the signal wave.
4. DLW21SR670HQ2 is designed to correct line impedance when ESD protection device is also used.

Applications

Common mode noise suppression of high speed differential signal lines for HDMI, DVI, USB2.0, IEEE1394, LVDS.

1. DVD Recorders
2. LCD TVs, LCD monitors
3. PCs

DLW21SR_HQ Series is suitable for receiver side of HDMI interface line.

Applications

Other Usage

For general

Packaging Information

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

Attention

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

DLW21SN900HQ2#

“#” indicates a package specification code.



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 | 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 | No |
| Rated Voltage | 20Vdc |
| Withstanding Voltage | 50Vdc |
| DC Resistance(max.) | 0.41Ω |
| DC Resistance | 0.41Ω max. |
| Insulation Resistance(min.) | 10MΩ |
| Operating Temperature Range | -40°C to 85°C |
| Mass(typ.) | 0.011g |
| Number of Circuit | 1 |
| Operating Temperature Range(Self-temperature rise is included) | No |

Attention

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

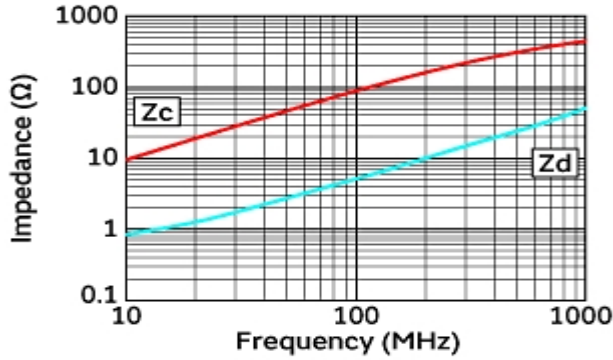
2.This datasheet has only typical specifications because there is no space for detailed specifications.

Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

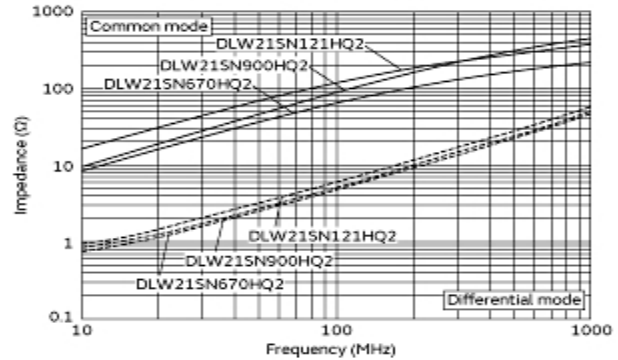
DLW21SN900HQ2#

“#” indicates a package specification code.

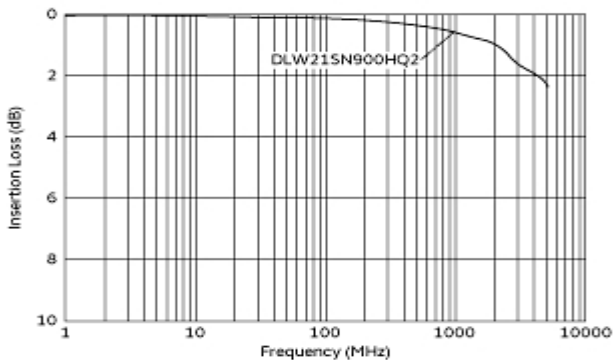
Product Data



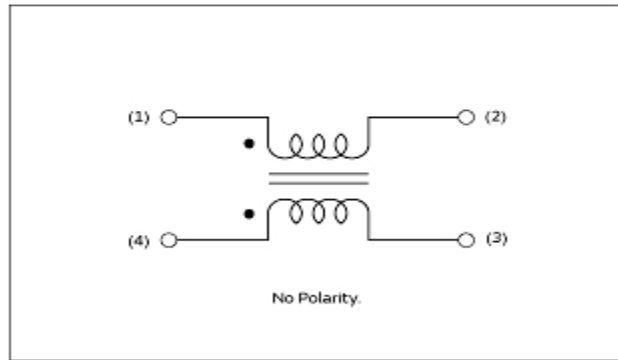
Impedance-Frequency Characteristics



Impedance-Frequency Characteristics
(Main Items)



Differential Mode Transmission Characteristics
(Typical Value)



Equivalent Circuit

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.