

# DLW21HN900HQ2#

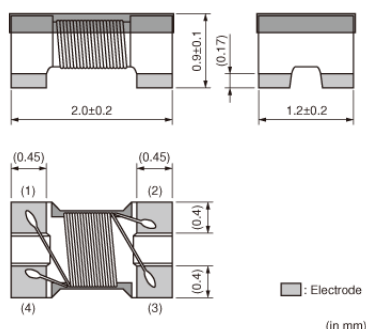
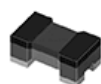
“#” indicates a package specification code.



< List of part numbers with package codes >

DLW21HN900HQ2B DLW21HN900HQ2L

## Appearance & Shape



## 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 can be used, selected depending on noise level and signal frequency.
4. Impedance of 100 ohm line. (DLW21HN\_HQseries )
5. 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. (USB3.0: DLW21HN900HQ2)
6. Small dimension enables higher density mounting

## Applications

Other Usage For general

### Applications

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

## Packaging Information


Packaging	Specifications	Minimum Order Quantity
B	Bulk(Bag)	500
L	180mm Embossed Tape	3000

### 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.
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## Specifications

Shape	SMD	Operating Temperature Range	-40°C to 85°C
Size Code (in mm)	2012	Mass(typ.)	0.009g
Size Code (in inch)	0805	Number of Circuit	1
Length	2.0mm	Operating Temperature Range(Self-temperature rise is included)	No
Length Tolerance	±0.2mm		
Width	1.2mm		
Width Tolerance	±0.2mm		
Thickness	0.9mm		
Thickness Tolerance	±0.1mm		
Common Mode Impedance (at 100MHz)	90Ω		
Common Mode Impedance (at 100MHz) Tolerance	±25%		
Rated Current	220mA		
Rated Voltage	20Vdc		
Withstanding Voltage	50Vdc		
DC Resistance(max.)	0.59Ω		
DC Resistance	0.59Ω max.		
Insulation Resistance(min.)	10MΩ		

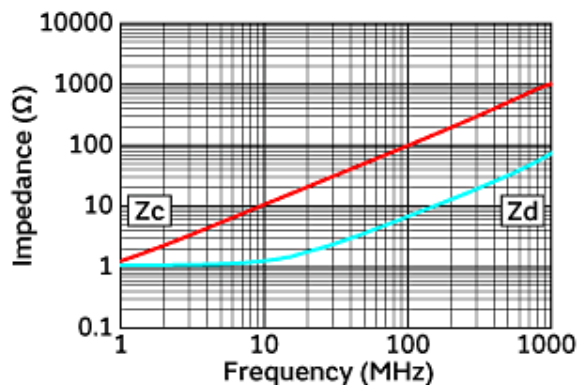
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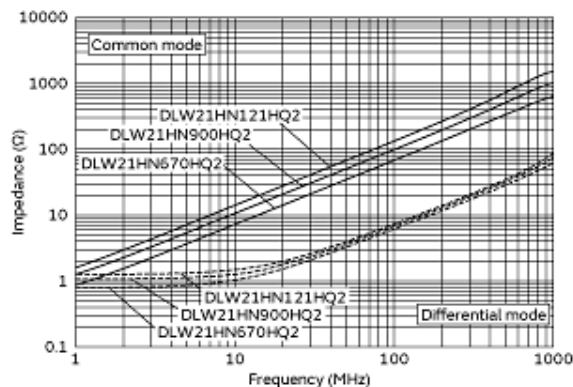
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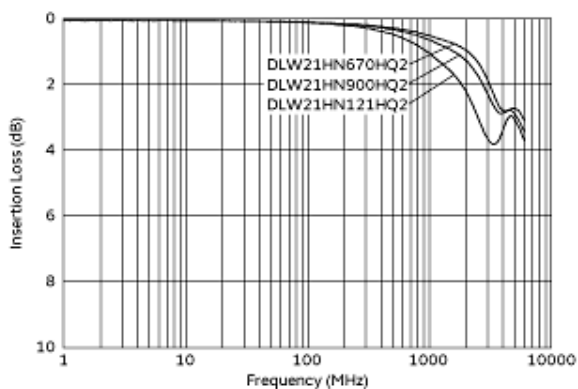
## Product Data



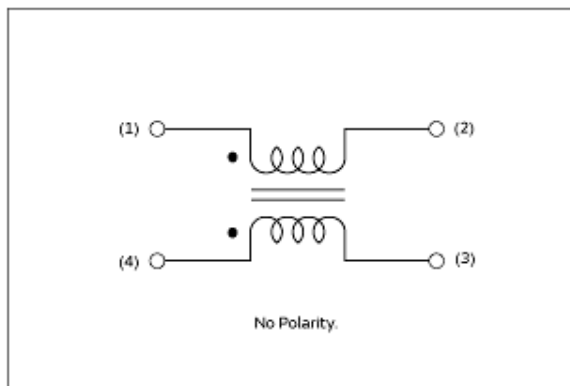
Impedance-Frequency Characteristics



Impedance-Frequency Characteristics  
(Main Items)



Differential Mode Transmission Characteristics (Typical Value)



Equivalent Circuit

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