

DLP0NSN900HL2L

● Discontinued

DLP0NSN900HL2L

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



DLP0NSN900HL2L,DLP0NSN900HL2B

Last Time Order Due	End of Production	Alternative Products
3/31/2022	9/30/2022	> DLM0NSM900HY2#

Applications

Unsuitable Applications	Please be sure to read and comply with these " Precautions for use ".
Specific Applications	<u>Consumer equipment,Industrial equipment except for transportation & facility & energy equipment,Medical equipment [GHTF A/B/C] except for implant & surgery & auto injector</u> 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

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.

DLP0NSN900HL2L

Specifications

Common Mode Impedance (at 100MHz)	90Ω ±20%
Rated Current	100mA
Derating of Rated Current	No
Rated Voltage	5Vdc
Withstanding Voltage	12.5Vdc
DC Resistance(max.)	3.75Ω
DC Resistance	3Ω ±25%
Insulation Resistance(min.)	100MΩ
Operating Temperature	-40 ~ 85°C
Operating Temperature Range(Self-temperature rise)	NO
Number of Circuit	1
Brand	Murata

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.

DLP0NSN900HL2L

Features

(DLP0NS Series)


1. Small size and tight dimensional tolerance
 Size:0.85x0.65x0.45mm
 Tolerance:+-0.05mm
2. DLP0NS series enables noise suppression for differential signal line without distortion in high-speed signal transmission due to its line impedance matching.
3. High Cut-off Frequency. (DLP0NSA150HL2: 8GHz typ.)

■Application

Common mode noise suppression of high speed differential signal lines for USB 2.0, IEEE1394, LVDS etc.

1. Note PCs
2. Cellular phones
3. Digital Still Cameras, Digital Video Cameras
4. Designed to match signal line characteristic impedance
 - ※DLP0NSC280HL2/DLP0NSC900HL2 is designed to meet mipi D-phy.
 - ※DLP0NSA150HL2 is designed to meet Display Port.
 - ※DLP0NSA070HL2 is designed to meet SI requirement of SATA.

References

Packaging	Specifications 	Standard Packing Quantity
L	180mm Embossed Tape	10000
B	Bulk(Bag)	500

Mass(Typ.)	
1 piece	0.001g

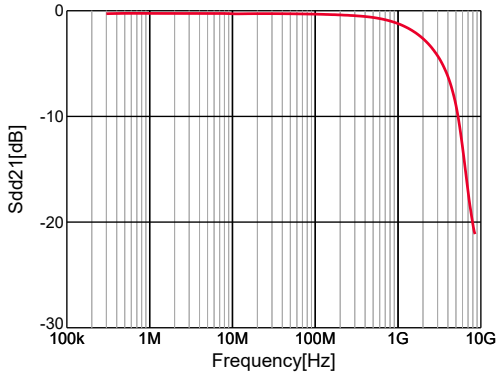
Attention

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.

DLP0NSN900HL2L

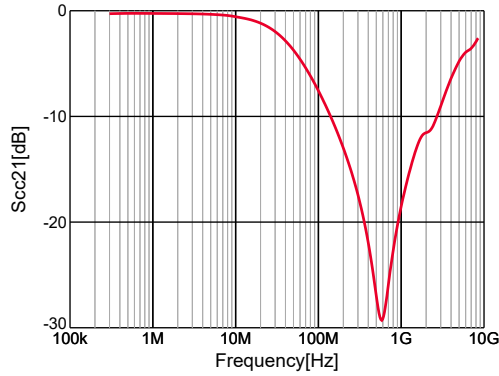
S-parameter

Sdd21



DLP0NSN900HL2#,Sdd21,

Sc21



DLP0NSN900HL2#,Sc21,

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.

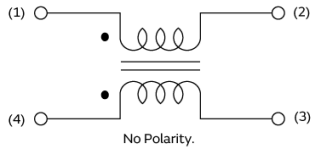
2. This datasheet has only typical specifications because there is no space for detailed specifications.

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

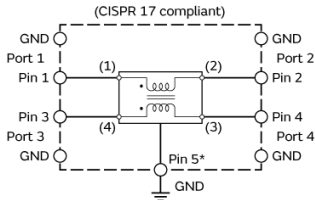
DLP0NSN900HL2L

Product Data

Equivalent Circuit (Note 1)

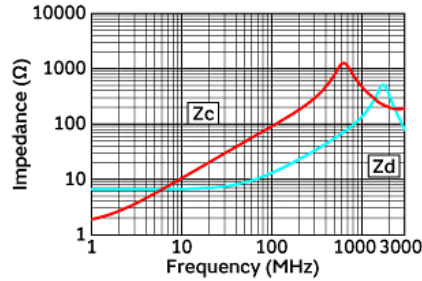


Note1: The Port/Pin No. of the Simulation Model provided by our company is as follows.

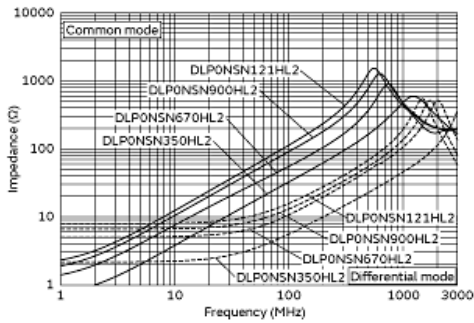


S-parameter: Port □
 SPICE model: Pin □ (Pin5* connect to GND)

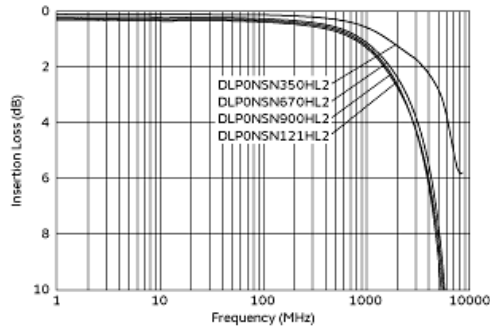
Equivalent Circuit



Impedance-Frequency Characteristics



Impedance-Frequency Characteristics(Main Items)



Differential Mode Transmission Characteristics (Typical Value)

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.