

# DLP11SA900HL2#

“#” at the end indicates the package specification code.

Discontinued

RoHS

REACH

## < List of part numbers with package codes >

DLP11SA900HL2B

DLP11SA900HL2L

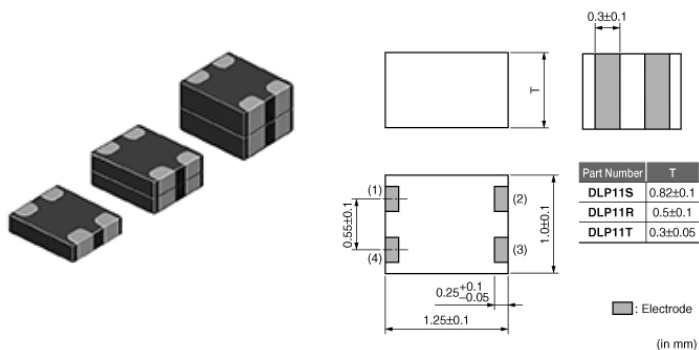
## Applications

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

## Packaging Information

Packaging	Specifications	Standard Packing Quantity
B	Bulk(Bag)	500
L	180mm Embossed Tape	3000

## Appearance & Shape



### Attention

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

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## Features

1. Small size and tight dimensional tolerance  
Size: 1.25x1.0x0.82mm Tolerance: +0.1mm
2. Useful impedance line-up from 67 ohm to 330 ohm
3. DLP11S series enables noise suppression for differential signal line without distortion in high-speed signal transmission due to its high coupling
4. DLP11SN\_HL2, DLP11SA series match with line impedance
5. High Cutoff Frequency is suitable for high speed differential signal line such as HDMI.  
Cutoff Frequency: 5GHz typ (DLP11SA series)

### Applications

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

1. Note PCs, PDAs
2. Cellular phones
3. Digital Still Cameras, Digital Video Cameras

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## Specifications

Shape	SMD
Size Code (in mm)	1210
Size Code (in inch)	0504
Length	1.25mm
Length Tolerance	±0.1mm
Width	1.0mm
Width Tolerance	±0.1mm
Thickness	0.82mm
Thickness Tolerance	±0.1mm
Common Mode Impedance (at 100MHz)	90Ω
Common Mode Impedance (at 100MHz) Tolerance	±20%
Rated Current	150mA
Derating of Rated Current	No
Rated Voltage	5Vdc
Withstanding Voltage	12.5Vdc
DC Resistance(max.)	1.75Ω
DC Resistance	1.4Ω±25%
Insulation Resistance(min.)	100MΩ
Operating Temperature Range	-40°C to 85°C
Mass(typ.)	0.005g
Number of Circuit	1
Operating Temperature Range(Self-temperature rise is included)	No
Brand	Murata

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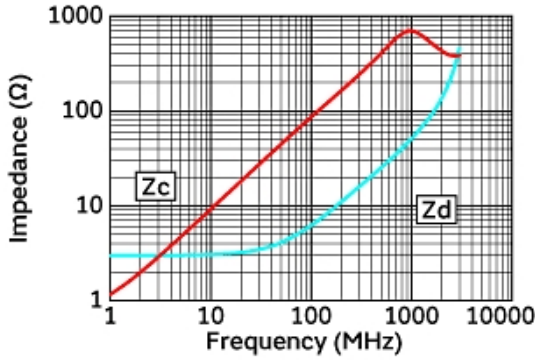
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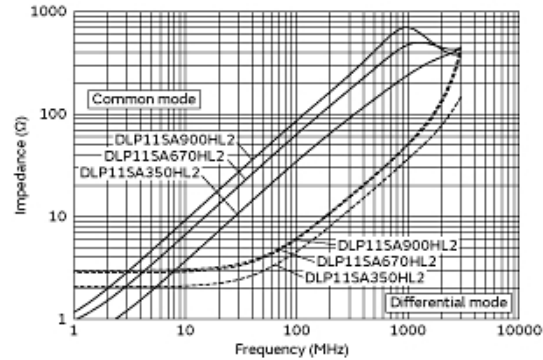
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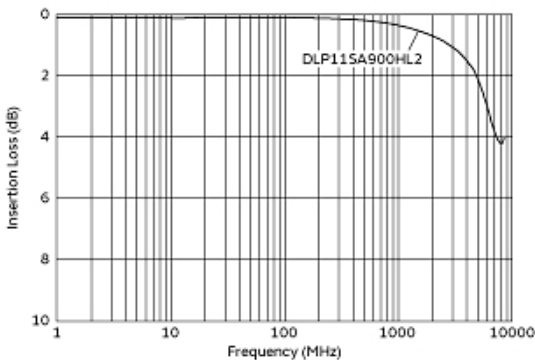
## Product Data



Impedance-Frequency Characteristics

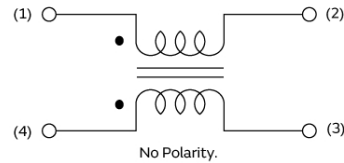


Impedance-Frequency Characteristics  
(Main Items)

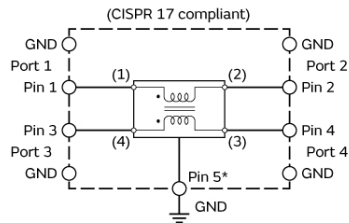


Differential Mode Transmission Characteristics  
(Typical Value)

### Equivalent Circuit (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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