muRata
INNOVATOR IN ELECTRONICS

Product Search Data Sheet

Note: This datasheet may be out of date.

Please download the latest datasheet of DLP0NSA070HL2# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=DLP0NSA070HL2%23

DLP0NSA070HL2#

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

Discontinued | RoHS | REACH

< List of part numbers with package codes >

DLP0NSA070HL2B   DLP0NSA070HL2L

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	10000

Appearance & Shape
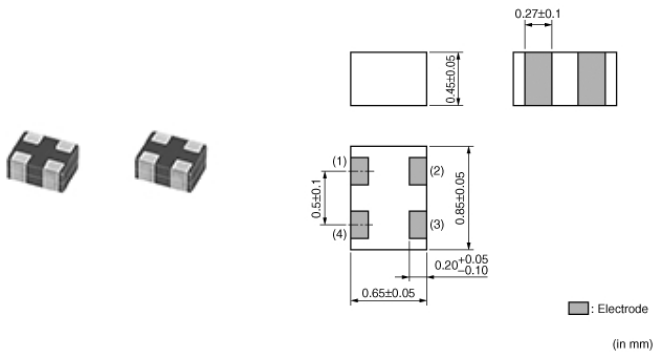
0.27±0.1

0.45±0.05

(1) (2) (3) (4)

0.5±0.1

0.85±0.05

0.20 +0.05 −0.10

0.65±0.05

■ : Electrode

(in mm)

Attention

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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.

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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

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Specifications

Shape	SMD
Size Code (in mm)	0806
Size Code (in inch)	03025
Length	0.85mm
Length　Tolerance	±0.05mm
Width	0.65mm
Width Tolerance	±0.05mm
Thickness	0.45mm
Thickness　Tolerance	±0.05mm
Common Mode Impedance (at 100MHz)	7Ω
Common Mode Impedance (at 100MHz) Tolerance	±2Ω
Rated Current	100mA
Derating of Rated Current	No
Rated Voltage	5Vdc
Withstanding Voltage	12.5Vdc
DC Resistance(max.)	0.75Ω
DC Resistance	0.6Ω±25%
Insulation Resistance(min.)	100MΩ
Operating Temperature Range	-40℃ to 85℃
Mass(typ.)	0.001g
Number of Circuit	1
Operating Temperature Range(Self-temperature rise is included)	No
Brand	Murata

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Product Data
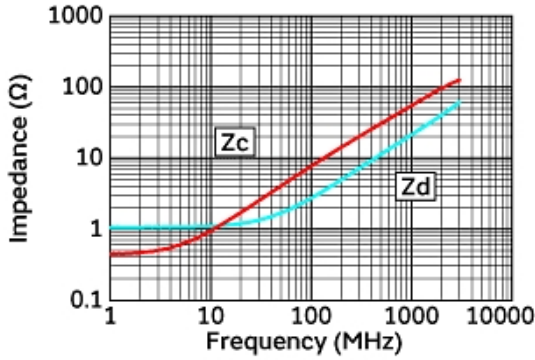
Impedance-Frequency Characteristics
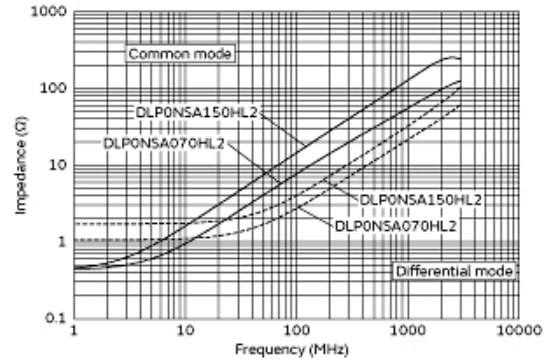
Impedance-Frequency Characteristics
(Main Items)
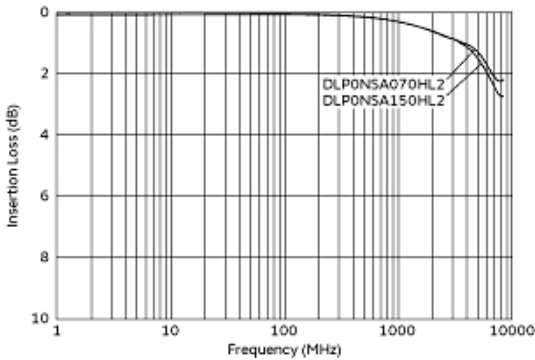
Differential Mode Transmission Characteristics
(Typical Value)

■ **Equivalent Circuit (Note 1)**

No Polarity.

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

(CISPR 17 compliant)

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

Equivalent Circuit

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