

DLP0NSA070HL2#

“#” indicates a package specification code.

To be discontinued

RoHS

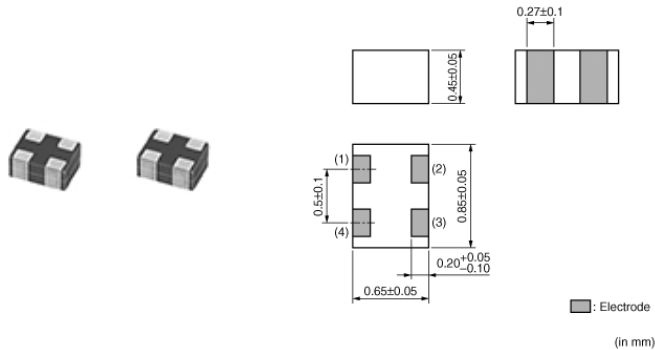
REACH

< List of part numbers with package codes >

DLP0NSA070HL2B

DLP0NSA070HL2L

Appearance & Shape



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 3GHz 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

Applications

Other Usage	For general
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Packaging Information

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

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.

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Specifications

Brand	Murata
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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°C to 85°C
Mass(typ.)	0.001g
Number of Circuit	1
Operating Temperature Range(Self-temperature rise is included)	No

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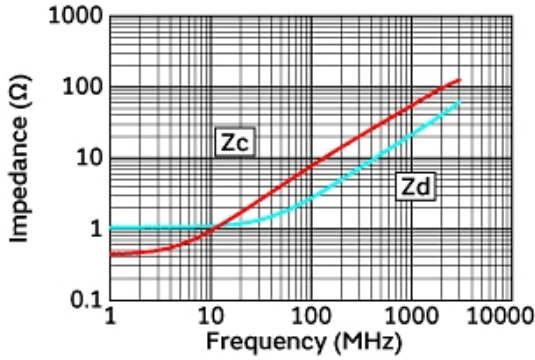
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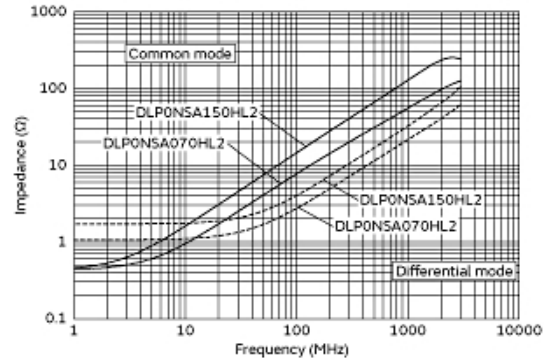
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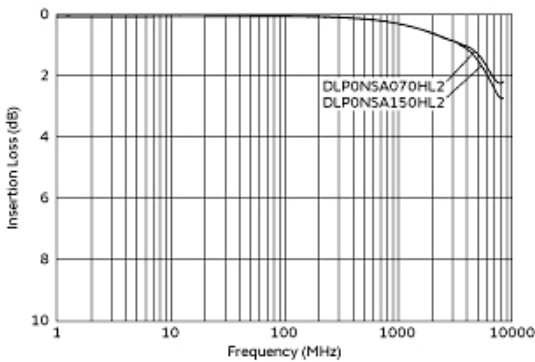
Product Data



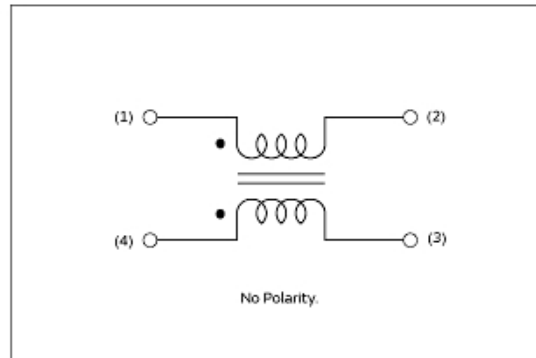
Impedance-Frequency Characteristics



Impedance-Frequency Characteristics
(Main Items)



Differential Mode Transmission Characteristics
(Typical Value)



Equivalent Circuit

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