Note: This datasheet may be out of date.
Please download the latest datasheet of DLP0QSA070HL2# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=DLP0QSA070HL2%23

DLP0QSA070HL2#

"#" indicates a package specification code.

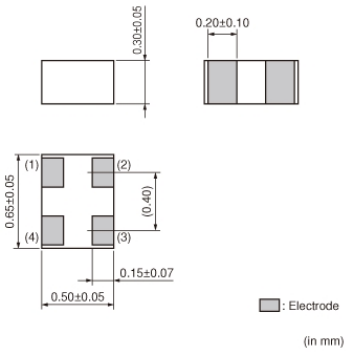
Discontinued RoHS REACH

< List of part numbers with package codes >

DLP0QSA070HL2B DLP0QSA070HL2D

Appearance & Shape





Features

1. Small size and tight dimensional tolerance
Size: 0.65x0.50x0.30mm
Tolerance: +-0.05mm
2. Suitable common mode impedance of 60ohm(at 100MHz) for high speed signal lines.
3. Prevents signal damaging in high speed differential lines.
4. Designed to match line impedance.
5. DLP0NSA070HL2 is designed to meet SATA.
6. DLP0NSA150HL2 is designed to meet Display Port.

■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

Applications

Other Usage	For general

Packaging Information

Packaging	Specifications	Standard Packing Quantity
B	Bulk(Bag)	500
D	180mm Paper Tape	15000

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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DLP0QSA070HL2#

"#" indicates a package specification code.

Specifications

Brand	Murata

Shape	SMD
Size Code (in mm)	0605
Size Code (in inch)	025020
Length	0.65mm
Length Tolerance	±0.05mm
Width	0.5mm
Width Tolerance	±0.05mm
Thickness	0.3mm
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.)	0.875Ω
DC Resistance	0.7Ω±25%
Insulation Resistance(min.)	100MΩ
Operating Temperature Range	-40℃ to 85℃
Mass(typ.)	0.0005g
Number of Circuit	1
Operating Temperature Range(Self-temperature rise is included)	No

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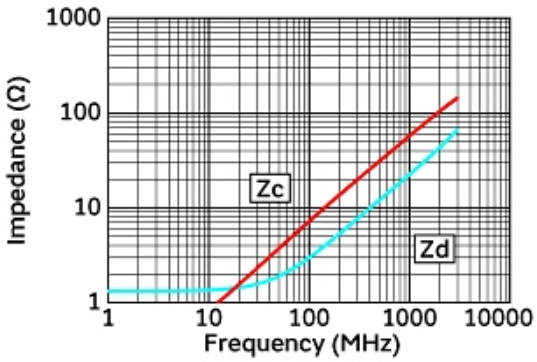
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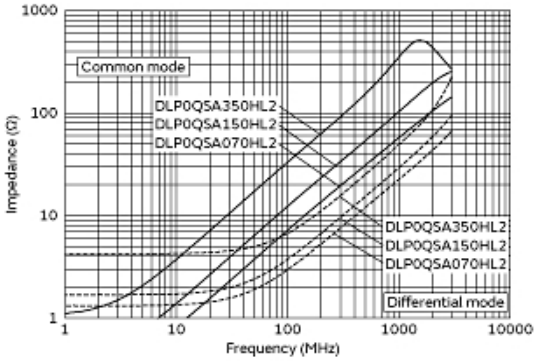
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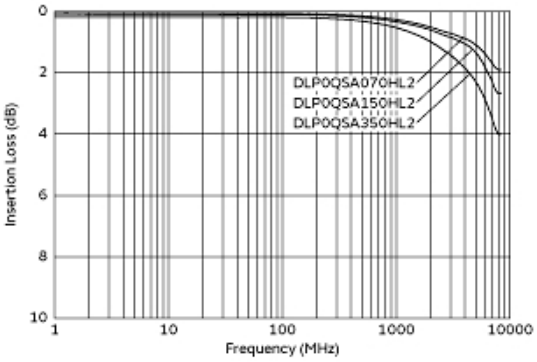
Product Data



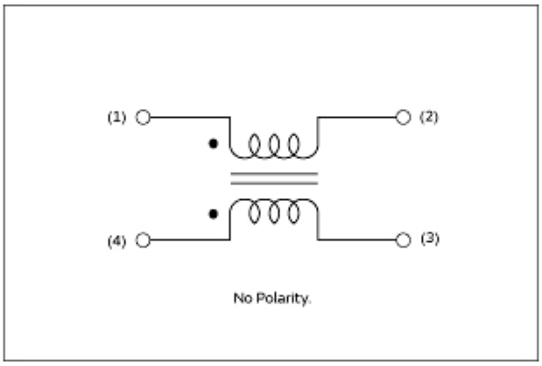
Impedance-Frequency Characteristics



Impedance-Frequency Characteristics (Main Items)



Differential Mode Transmission Characteristics (Typical Value)



Equivalent Circuit

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