

DLM0NSN500HY2#

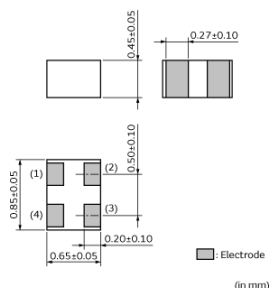
“#” indicates a package specification code.



< List of part numbers with package codes >

DLM0NSN500HY2B DLM0NSN500HY2D

Appearance & Shape



Features

1. Small size and tight dimensional tolerance
Size: 0.85×0.65×0.45mm
Tolerance: ±0.05mm
2. High common mode impedance up to 90 or 50ohm (at 100MHz) is available.
3. DLM0NSN series enables noise suppression for differential signal line without distortion in high-speed signal transmission due to its line impedance matching.
4. High Cut-off Frequency.

Applications

Limited Usage	For differential signal interface line
Other Usage	For general

Packaging Information

Packaging	Specifications	Minimum Order Quantity
B	Bulk(Bag)	500
D	180mm Paper 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

Shape	SMD	Cut-off Frequency	5.0GHz (Typ.)
Size Code (in mm)	0806	Operating Temperature Range	-40°C to 85°C
Size Code (in inch)	03025	Mass(typ.)	0.9mg
Length	0.85mm	Number of Circuit	1
Length Tolerance	±0.05mm	Operating Temperature Range(Self-temperature rise is included)	No
Width	0.65mm		
Width Tolerance	±0.05mm		
Thickness	0.45mm		
Thickness Tolerance	±0.05mm		
Common Mode Impedance (at 100MHz)	50Ω		
Common Mode Impedance (at 100MHz) Tolerance	±25%		
Rated Current	100mA		
Rated Voltage	5Vdc		
Withstanding Voltage	12.5Vdc		
DC Resistance(max.)	3.375Ω		
DC Resistance	2.7Ω±25%		
Insulation Resistance(min.)	10MΩ		

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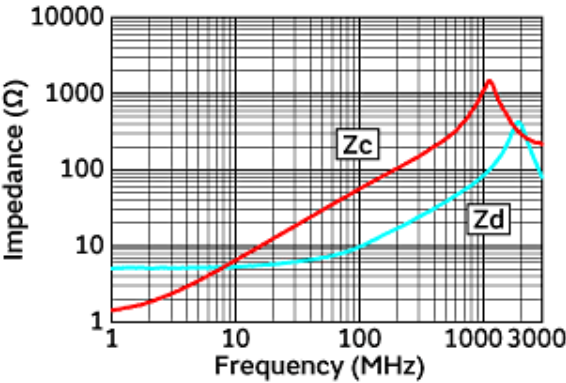
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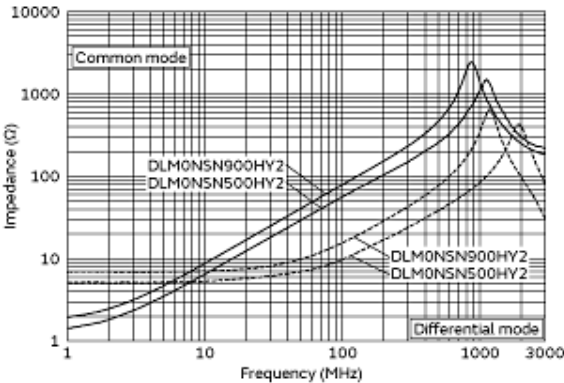
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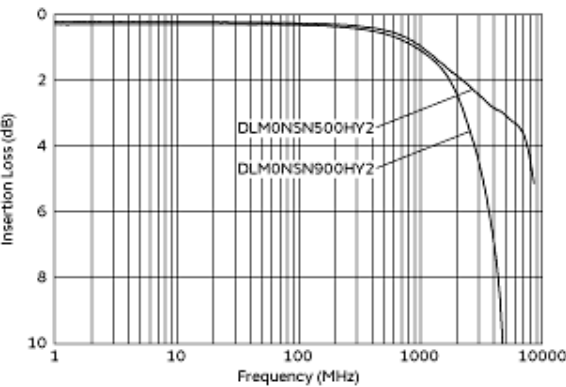
Product Data



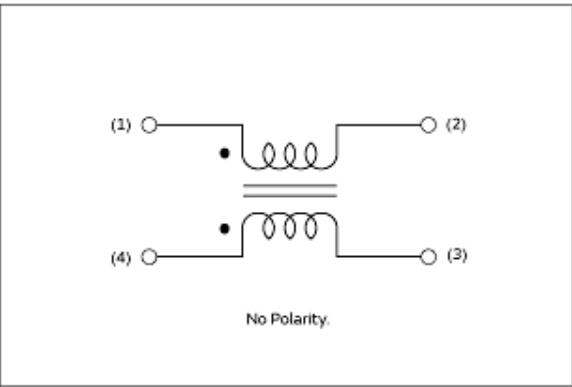
Impedance-Frequency Characteristics



Impedance-Frequency Characteristics
(Main Items)



Differential Mode Transmission Characteristics (Typical Value)



Equivalent Circuit

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