

# DLM0NSM900HY2#

“#” indicates a package specification code.

In Production

RoHS

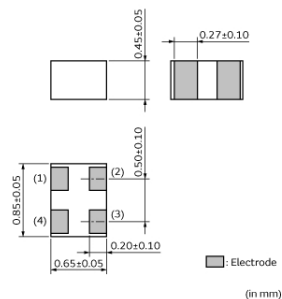
REACH

## < List of part numbers with package codes >

DLM0NSM900HY2B

DLM0NSM900HY2D

## Appearance & Shape



## Packaging Information

Packaging	Specifications	Standard Packing Quantity
B	Bulk(Bag)	500
D	180mm Paper Tape	10000

## Features

1. Small size and tight dimensional tolerance  
Size:0.85x0.65x0.45mm  
Tolerance:±0.05mm
2. High common mode impedance up to 90ohm (at 100MHz) is available.
3. DLM0NSM 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

### Attention

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

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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)	90Ω
Common Mode Impedance (at 100MHz) Tolerance	±25%
Rated Current	100mA
Derating of Rated Current	No
Rated Voltage	5Vdc
Withstanding Voltage	12.5Vdc
DC Resistance(max.)	4.75Ω
DC Resistance	3.8Ω±25%
Insulation Resistance(min.)	10MΩ
Cut-off Frequency	5.0GHz (Typ.)
Operating Temperature Range	-40°C to 85°C
Mass(typ.)	0.9mg
Number of Circuit	1
Operating Temperature Range(Self-temperature rise is included)	No

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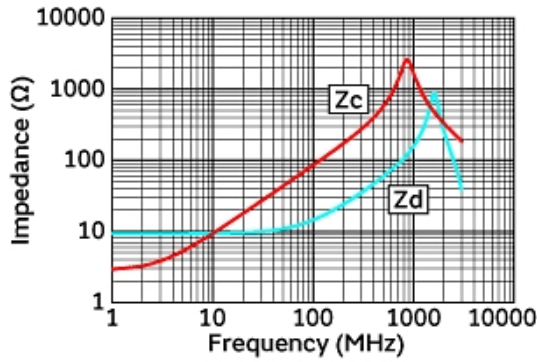
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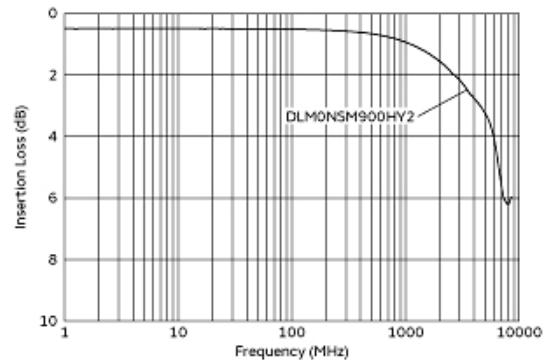
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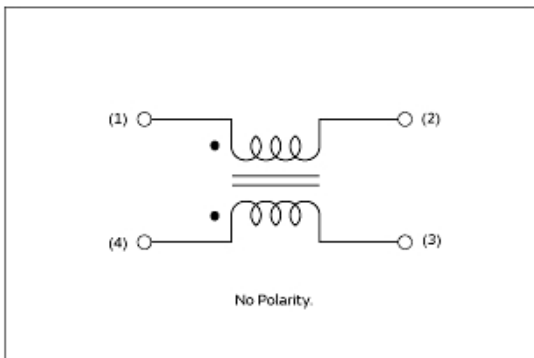
## Product Data



Impedance-Frequency Characteristics



Differential Mode Transmission Characteristics  
(Typical Value)



Equivalent Circuit

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