

Note: This datasheet may be out of date.

Please download the latest datasheet of DLM0NSB280HY2# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-sg/products/productdetail?partno=DLM0NSB280HY2%23

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







< List of part numbers with package codes > DLM0NSB280HY2B DLM0NSB280HY2D



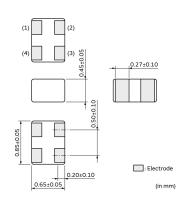
Applications

Unsuitable	Please be sure to read and comply with	
Applications	these "Precautions for use."	
	Consumer Electronics - Differential	
	Transmission,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	
Specific		
Applications	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.	
	Consumer equipment, USB2.0, USB3.1	
Recommended	Gen1,USB3.1 Gen2,MIPI D-PHY Ver1.1,	
Applications	MIPI D-PHY Ver1.2, MIPI M-PHY Ver3.1,	
	HDMI 1.4b,HDMI 2.0,Displayport 1.4	



Appearance & Shape







Packaging Information

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

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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

1. Small size and tight dimensional tolerance

Size: 0.85×0.65×0.45mm Tolerance: +-0.05mm

- 2. Suitable common mode impedance of 12 or 28 ohm(at 100MHz) for high speed signal lines.
- 3. Prevents signal damaging in high speed differential lines.
- 4. Designed to match line impedance.

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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)	28Ω
Common Mode Impedance (at 100MHz) Tolerance	±30%
Rated Current	130mA
Derating of Rated Current	No
Rated Voltage	5Vdc
Withstanding Voltage	12.5Vdc
DC Resistance(max.)	2.375Ω
DC Resistance	1.9Ω±25%
Insulation Resistance(min.)	10ΜΩ
Cut-off Frequency	8.0GHz (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

Brand	Murata
Dianu	Murata

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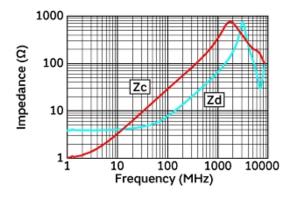
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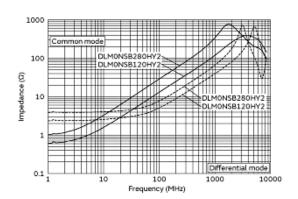
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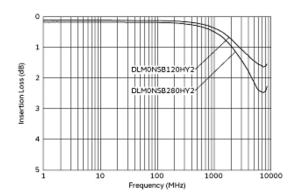
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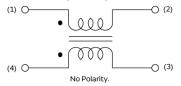


Impedance-Frequency Characteristics

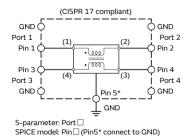


Impedance-Frequency Characteristics (Main Items)

■ Equivalent Circuit (Note 1)



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



Equivalent Circuit

Differential Mode Transmission Characteristics (Typical Value)

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