

Product Search Data Sheet

DLM0NSB120HY2#

Note: This datasheet may be out of date. Please download the latest datasheet of DLM0NSB120HY2# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=DLM0NSB120HY2%23

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

In Production RoHS REACH

< List of part numbers with package codes > DLM0NSB120HY2B DLM0NSB120HY2D

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
Specific	Please refer to Our Website and
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,
	MIPI D-PHY Ver1.2, MIPI M-PHY Ver3.1,
Applications	HDMI 1.4b,HDMI 2.0,Displayport 1.4,
	HDMI 2.1

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

Attention

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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.





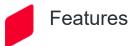
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### 1. Small size and tight dimensional tolerance

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

Brand	Murata	

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)	12Ω
Common Mode Impedance (at 100MHz) Tolerance	±5Ω
Rated Current	160mA
Derating of Rated Current	No
Rated Voltage	5Vdc
Withstanding Voltage	12.5Vdc
DC Resistance(max.)	1.5Ω
DC Resistance	1.2Ω±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

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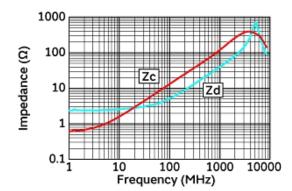
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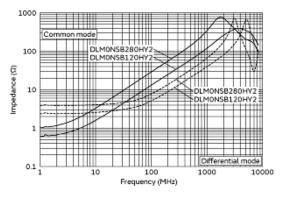
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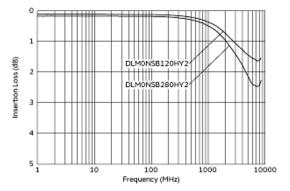
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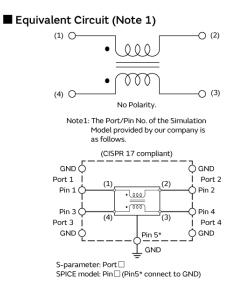


Impedance-Frequency Characteristics



## **Differential Mode Transmission Characteristics** (Typical Value)

Impedance-Frequency Characteristics (Main Items)



Equivalent Circuit

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