

Note: This datasheet may be out of date.

Please download the latest datasheet of DLM0QSB350HY2# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=DLM0QSB350HY2%2

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







< List of part numbers with package codes > DLM0QSB350HY2B DLM0QSB350HY2D

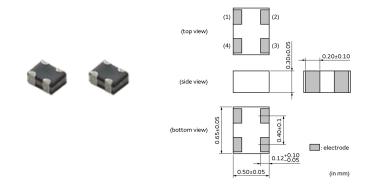


Applications

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,	
Applications	MIPI D-PHY Ver1.2, MIPI M-PHY Ver3.1,	
	HDMI 1.4b,HDMI 2.0,Displayport 1.4	



Appearance & Shape





Packaging Information

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

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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: 0.65x0.50x0.30mm Tolerance: +-0.05mm

- 2. Suitable common mode impedance of 35 or 12ohm(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)	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)	35Ω
Common Mode Impedance (at 100MHz) Tolerance	±30%
Rated Current	120mA
Derating of Rated Current	No
Rated Voltage	5Vdc
Withstanding Voltage	12.5Vdc
DC Resistance(max.)	2.875Ω
DC Resistance	2.3Ω±25%
Insulation Resistance(min.)	10ΜΩ
Cut-off Frequency	8.0GHz (Typ.)
Operating Temperature Range	-40°C to 85°C
Mass(typ.)	0.3mg
Number of Circuit	1
Operating Temperature Range(Self-temperature rise is included)	No

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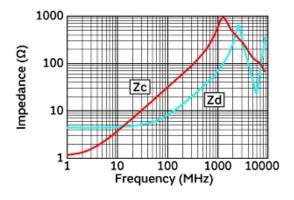


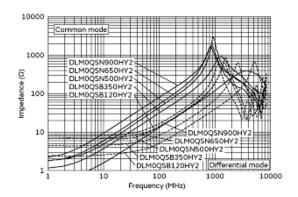
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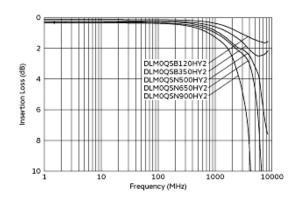
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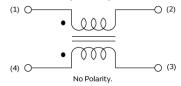
Impedance-Frequency Characteristics



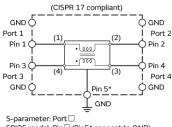
Differential Mode Transmission Characteristics (Typical Value)

Impedance-Frequency Characteristics (Main Items)

■ Equivalent Circuit (Note 1)



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



SPICE model: Pin ☐ (Pin5* connect to GND)

Equivalent Circuit

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