

Product Search Data Sheet

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Please download the latest datasheet of BLM15HD182SZ1# from the official website of Murata Manufacturing Co., Ltd.

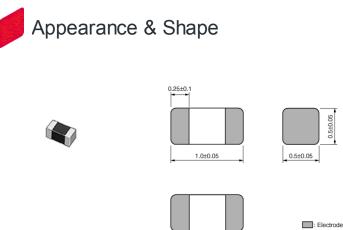
https://www.murata.com/en-global/products/productdetail?partno=BLM15HD182SZ1%23

#### BLM15HD182SZ1#

"#" indicates a package specification code.



< List of part numbers with package codes > BLM15HD182SZ1J BLM15HD182SZ1B BLM15HD182SZ1D





(in mm)

Excellent high frequency impedance characteristics with 0402 (EIA) size.

Features (BLM15HG/HD/EG Series)

- 1. Small size: 1.0x0.5mm (0402)
- 2. Suitable for noise suppression in 1GHz or higher frequency.
- 3. Low DC Resistance/Large Rated Current. (BLM15E)
- 4. No Lead production using Ni+Sn plating in termination.

## Applications

Automotive Usage	Infotainment
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#### Packaging Information

Packaging	Specifications	Minimum Order Quantity
J	330mm Paper Tape	50000
В	Bulk(Bag)	1000
D	180mm Paper Tape	10000

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#### Specifications

Impedance (at 100HHz)   A002     Impedance (at 1GHz)   25%     Impedance (at 1GHz)   25%     Impedance (at 1GHz)   200mA	Shape	SMD	Mass(typ.)	0.001g
LengthI.0mmLength1.0mmLength1.05mmWidth0.5mmWidth0.5mmWidth0.5mmThickness0.5mmThickness0.5mmImpedance (at 100MHz)1800ΩImpedance (at 104Hz)25%Impedance (at 16Hz)2700ΩRated Current (at 85°C)00mA	Size Code (in mm)	1005	Number of Circuit	1
Length Tolerance±0.05mmWidth0.5mmWidth Tolerance±0.05mmThickness0.5mmThickness Tolerance±0.05mmImpedance (at 100MHz)1800ΩImpedance (at 100MHz) Tolerance±25%Impedance (at 10Hz)2700ΩRated Current (at 85°C)20mA	Size Code (in inch)	0402		
NumberNumberWidth Tolerance±0.05mmThickness0.5mmThickness Tolerance±0.05mmImpedance (at 100MHz)1800ΩImpedance (at 100MHz) Tolerance±25%Impedance (at 1GHz)2700ΩRated Current (at 85°C)200mA	Length	1.0mm		
Auth Tolerance±0.05mmThickness0.5mmThickness Tolerance±0.05mmImpedance (at 100MHz)1800ΩImpedance (at 100MHz) Tolerance±25%Impedance (at 1GHz)2700ΩImpedance (at 1GHz) Tolerance±40%Bated Current (at 85°C)20mA	Length Tolerance	±0.05mm		
InicknessIo.5mmThicknessto.05mmImpedance (at 100MHz)1800ΩImpedance (at 100MHz)tz5%Impedance (at 1GHz)2700ΩImpedance (at 1GHz)tu?tu?tu?Impedance (at 1GHz)tu? <td>Width</td> <td>0.5mm</td> <td></td> <td></td>	Width	0.5mm		
Inckness Tolerance±0.05mmImpedance (at 100MHz)1800ΩImpedance (at 100MHz) Tolerance±25%Impedance (at 1GHz)2700ΩImpedance (at 1GHz) Tolerance±40%Rated Current (at 85°C)20mA	Width Tolerance	±0.05mm		
Impedance (at 100MHz)1800ΩImpedance (at 100MHz) Tolerance±25%Impedance (at 1GHz)2700ΩImpedance (at 1GHz) Tolerance±40%Rated Current (at 85°C)200mA	Thickness	0.5mm		
Impedance (at 100MHz) Tolerance±25%Impedance (at 1GHz)2700ΩImpedance (at 1GHz) Tolerance±40%Rated Current (at 85°C)200mA	Thickness Tolerance	±0.05mm		
Impedance (at 1GHz) 2700Ω   Impedance (at 1GHz) Tolerance ±40%   Rated Current (at 85°C) 200mA	Impedance (at 100MHz)	1800Ω		
Impedance (at 1GHz) Tolerance ±40%   Rated Current (at 85°C) 200mA	Impedance (at 100MHz) Tolerance	±25%		
Rated Current (at 85°C) 200mA	Impedance (at 1GHz)	2700Ω		
	Impedance (at 1GHz) Tolerance	±40%		
Rated Current (at 125°C) 200mA	Rated Current (at 85°C)	200mA		
	Rated Current (at 125°C)	200mA		
DC Resistance(max.) 2.2Ω	DC Resistance(max.)	2.2Ω		
Operating Temperature Range -55°C to 125°C	Operating Temperature Range	-55℃ to 125℃		

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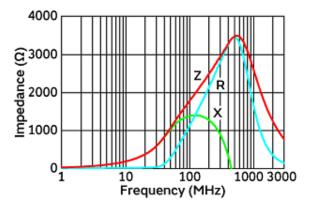
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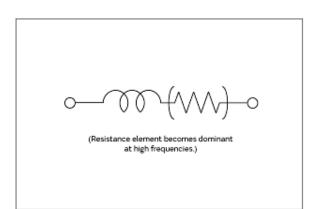
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# Product Data





Impedance-Frequency Characteristics

Equivalent Circuit

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