Note: This datasheet may be out of date

Please download the latest datasheet of BLM18HD102SN1# from the official website of Murata Manufacturing

https://www.murata.com/en-eu/products/productdetail?partno=BLM18HD102SN1%23

## BLM18HD102SN1#

"#" indicates a package specification code.







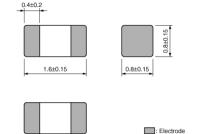
< List of part numbers with package codes >

BLM18HD102SN1J BLM18HD102SN1D BLM18HD102SN1B



## Appearance & Shape





(in mm)



## **Applications**

Other Usage For general



# Packaging Information

Packaging	Specifications	Minimum Order Quantity
J	330mm Paper Tape	10000
D	180mm Paper Tape	4000
В	Bulk(Bag)	1000



BLM18H/BLM18E series has a modified internal electrode structure, that minimizes stray capacitance and increases the effective frequency range.

### Features (BLM18H series)

- 1. BLM18H series realizes high impedance at 1GHz and is suitable for noise suppression from 500MHz to GHz range. The impedance value of HG/HD-type is about three times as large as that of A/B-type at 1GHz, though the impedance characteristic of HG/HD-type is similar to A/B-type at 100MHz or less.
- 2. HG-type is effective in noise suppression in wide frequency range (several MHz to several GHz). HB/HD-type for high-speed signal line provides a sharper roll-off after the cut-off frequency. HK-type for digital interface and HE-type for optical pickup modules are effective in suppressing the ringing because resistance especially grows in the lower frequency.
- 3. The magnetic shielded structure minimizes crosstalk.

### Features (BLM18E series)

- Low DC Resistance and a large Rated Current are suitable for noise suppression of the driver circuit.
- 2. Excellent direct current characteristics
- 3. Thin type (t=0.5mm) is suitable for small and low profile equipment such as DSC, cellular phones.

1 of 3

#### Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued 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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Shape	SMD
Size Code (in mm)	1608
Size Code (in inch)	0603
Length	1.6mm
Length Tolerance	±0.15mm
Width	0.8mm
Width Tolerance	±0.15mm
Thickness	0.8mm
Thickness Tolerance	±0.15mm
Impedance (at 100MHz)	1000Ω
Impedance (at 100MHz) Tolerance	±25%
Impedance (at 1GHz)	1700Ω
Impedance (at 1GHz) Tolerance	(Тур.)
Rated Current (at 85°C)	50mA
Rated Current (at 125°C)	50mA
DC Resistance(max.)	1.8Ω
Operating Temperature Range	-55°C to 125°C

Mass(typ.)	0.005g
Number of Circuit	1

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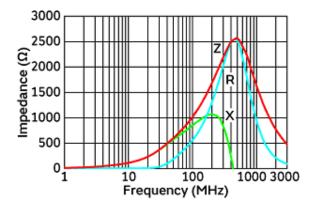
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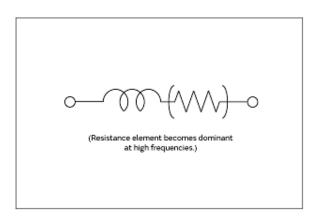
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Impedance-Frequency Characteristics

**Equivalent Circuit** 

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