

Product Search Data Sheet

Note: This datasheet may be out of date. Please download the latest datasheet of BLM18HG102SH1# from the official website of Murata Manufacturing Co., Ltd.

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

http://www.murata.com/en/products/productdetail?partno=BLM18HG102SH1%23

BLM18HG102SH1#

In Production AEC-Q200 RoHS REACH

< List of part numbers with package codes > BLM18HG102SH1B BLM18HG102SH1D E

BLM18HG102SH1J



Applications

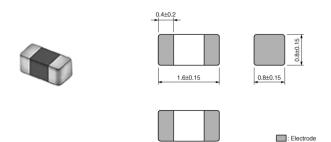
Please be sure to read and comply with	
these "Precautions for use."	
Automotive powertrain/safety equipment,	
Automotive infotainment/comfort	
equipment,Consumer equipment,	
Medical equipment [GHTF A/B/C]	
except for implant & surgery & auto	
injector,Industrial Equipment	
Please refer to Our Website and	
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.	
Automotive powertrain/safety equipment	

P

Packaging Information

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

Appearance & Shape



(in mm)

1 of 4

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.





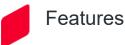
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BLM18H series has a modified internal electrode structure, that minimizes stray capacitance and increases the effective frequency range.

Features

- 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). HD-type for high-speed signal line provides a sharper roll-off after the cut off frequency.
- 3. The magnetic shielded structure minimizes cross talk.

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Specifications

Shape	SMD
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
Operating Temperature Range	-55°C to 125°C
Mass(typ.)	0.005g
Number of Circuit	1
Rated Current (at 85°C)	100mA
Rated Current (at 125°C)	100mA
DC Resistance(max.)	1.6Ω
Impedance (at 100MHz)	1000Ω
Impedance (at 100MHz) Tolerance	±25%
Impedance (at 1GHz)	1000Ω
Impedance (at 1GHz) Tolerance	(Тур.)
Size Code (in mm)	1608

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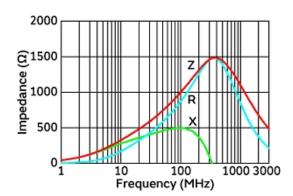
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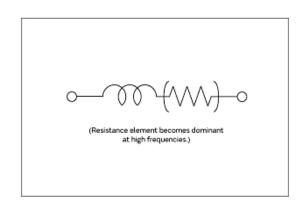
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Impedance-Frequency Characteristics

Equivalent Circuit

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