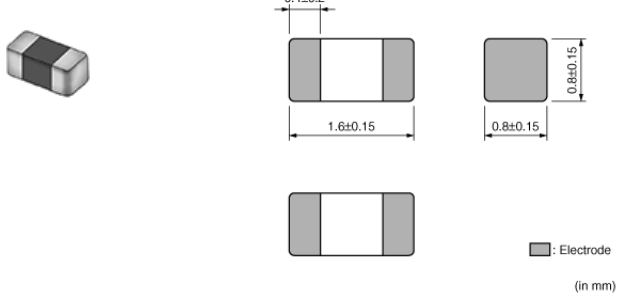
BLM18HG102SH1#

"#" indicates a package specification code.

In Production | RoHS | REACH | AEC-Q200

< List of part numbers with package codes >
BLM18HG102SH1J BLM18HG102SH1D BLM18HG102SH1B

Appearance & Shape



Features

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.

Applications

Automotive Usage	Powertrain/Safety

Packaging Information

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

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.

Note: This datasheet may be out of date.
Please download the latest datasheet of BLM18HG102SH1# from the official website of Murata Manufacturing Co., Ltd.
https://www.murata.com/en-global/products/productdetail?partno=BLM18HG102SH1%23

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Specifications

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)	1000Ω
Impedance (at 1GHz) Tolerance	(Typ.)
Rated Current (at 85℃)	100mA
Rated Current (at 125℃)	100mA
DC Resistance(max.)	1.6Ω
Operating Temperature Range	-55℃ to 125℃

Mass(typ.)	0.005g
Number of Circuit	1

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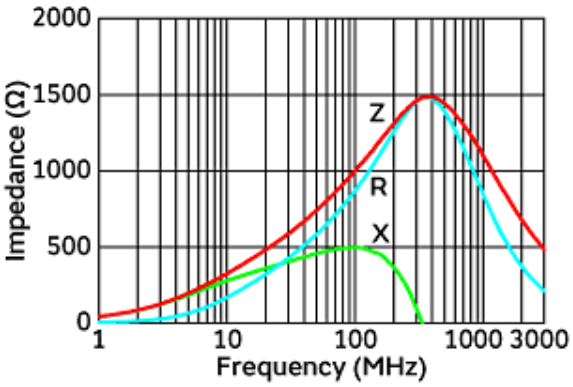
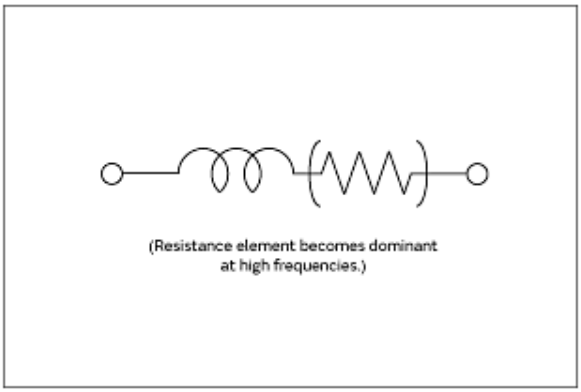
Product Data



Impedance-Frequency Characteristics



Equivalent Circuit

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