

BLM15HG102BH1#

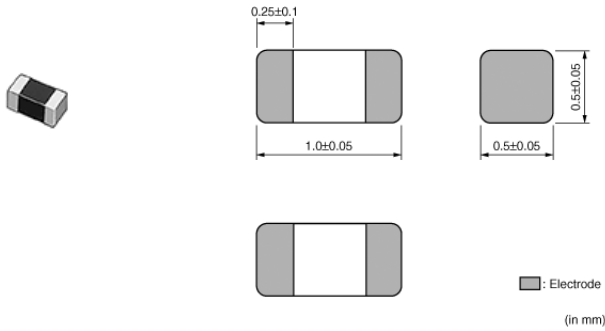
“#” indicates a package specification code.



< List of part numbers with package codes >

BLM15HG102BH1B BLM15HG102BH1D BLM15HG102BH1J

Appearance & Shape



Features

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 | Powertrain/Safety |
|------------------|-------------------|

Packaging Information

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

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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Specifications

| | | | |
|---------------------------------|---------|-----------------------------|----------------|
| Shape | SMD | Operating Temperature Range | -55°C to 150°C |
| Size Code (in mm) | 1005 | Mass(typ.) | 0.001g |
| Size Code (in inch) | 0402 | Number of Circuit | 1 |
| Length | 1.0mm | | |
| Length Tolerance | ±0.05mm | | |
| Width | 0.5mm | | |
| Width Tolerance | ±0.05mm | | |
| Thickness | 0.5mm | | |
| Thickness Tolerance | ±0.05mm | | |
| Impedance (at 100MHz) | 1000Ω | | |
| Impedance (at 100MHz) Tolerance | ±25% | | |
| Impedance (at 1GHz) | 1400Ω | | |
| Impedance (at 1GHz) Tolerance | ±40% | | |
| Rated Current (at 85°C) | 250mA | | |
| Rated Current (at 125°C) | 250mA | | |
| Rated Current (at 150°C) | 20mA | | |
| DC Resistance(max.) | 1.1Ω | | |

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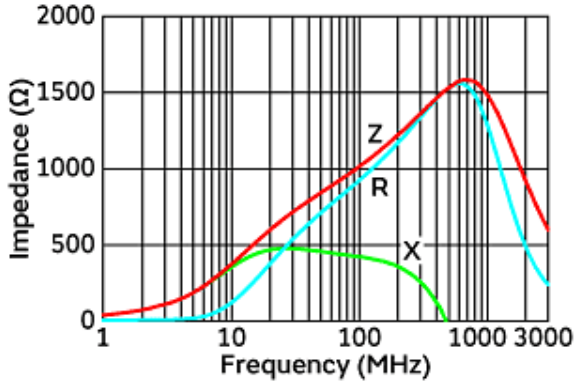
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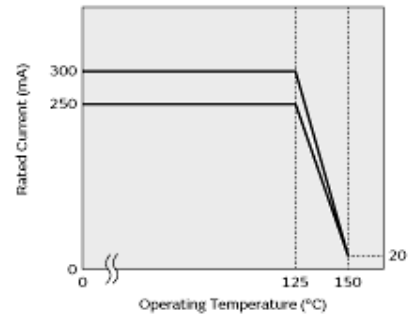
Product Data



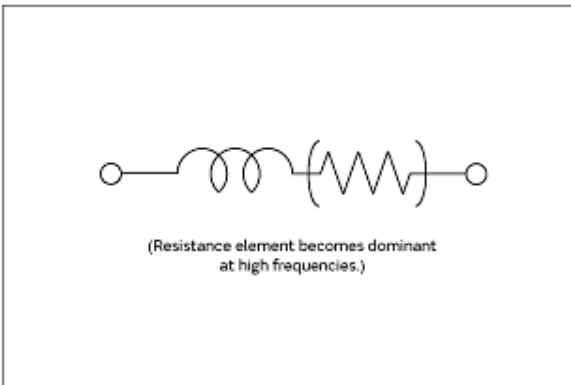
Impedance-Frequency Characteristics

In operating temperature exceeding +125°C, derating of current is necessary for BLM15HG series. Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Derating of Rated Current



Equivalent Circuit

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