

# BLM15HD102BH1D

“#” indicates a package specification code.

In Production

AEC-Q200

RoHS

REACH

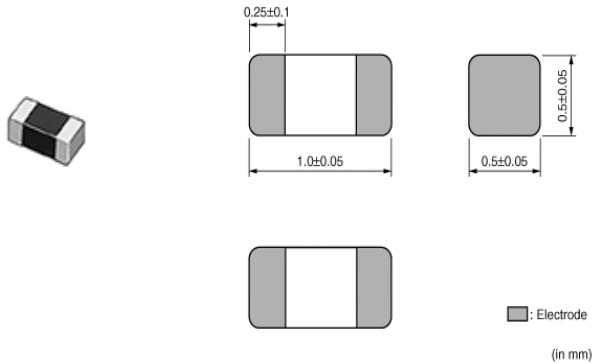
< List of part numbers with package codes >

BLM15HD102BH1J

BLM15HD102BH1B

BLM15HD102BH1D

## Appearance & Shape



## Packaging Information

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

## Applications

|                  |                   |
|------------------|-------------------|
| Automotive Usage | Powertrain/Safety |
|------------------|-------------------|

## 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.

### 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            |
| Size Code (in inch)             | 0402           |
| Length                          | 1.0mm          |
| Length Tolerance                | ±0.05mm        |
| Width                           | 0.5mm          |
| Width Tolerance                 | ±0.05mm        |
| Thickness                       | 0.5mm          |
| Thickness Tolerance             | ±0.05mm        |
| Operating Temperature Range     | -55°C to 150°C |
| Mass(typ.)                      | 0.001g         |
| Number of Circuit               | 1              |
| Rated Current (at 125°C)        | 250mA          |
| Rated Current (at 150°C)        | 20mA           |
| DC Resistance(max.)             | 1.25Ω          |
| Impedance (at 100MHz)           | 1000Ω          |
| Impedance (at 100MHz) Tolerance | ±25%           |
| Impedance (at 1GHz)             | 2000Ω          |
| Impedance (at 1GHz) Tolerance   | ±40%           |
| Size Code (in mm)               | 1005           |

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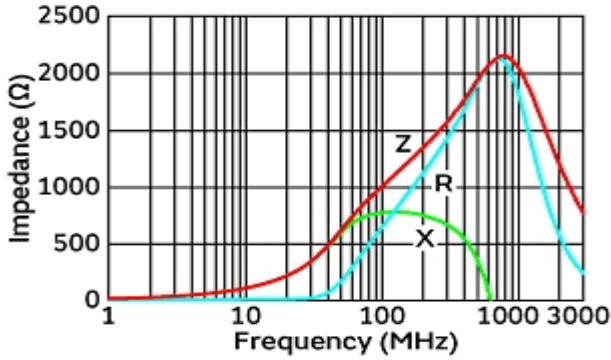
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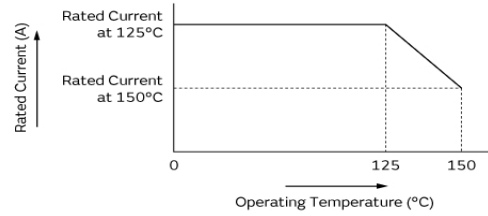
## Product Data



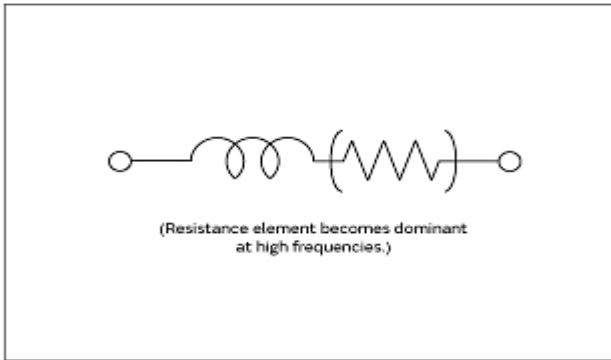
Impedance-Frequency Characteristics

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

### Derating of Rated Current



Derating of Rated Current



Equivalent Circuit

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