

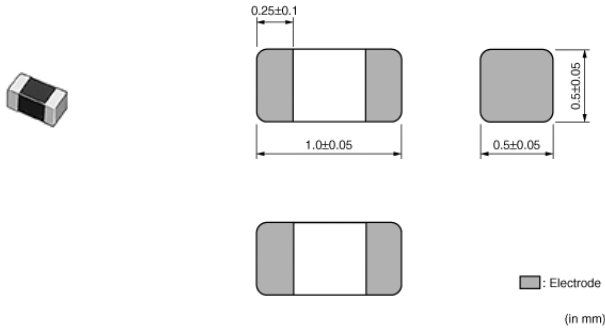
# BLM15HG102SZ1#

“#” indicates a package specification code.



< List of part numbers with package codes >  
BLM15HG102SZ1J BLM15HG102SZ1B BLM15HG102SZ1D

## 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 | Infotainment |
|------------------|--------------|

## Packaging Information

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

### 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            | Mass(typ.)        | 0.001g |
| Size Code (in mm)               | 1005           | Number of Circuit | 1      |
| 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        |                   |        |
| 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          |                   |        |
| DC Resistance(max.)             | 1.1Ω           |                   |        |
| Operating Temperature Range     | -55°C to 125°C |                   |        |

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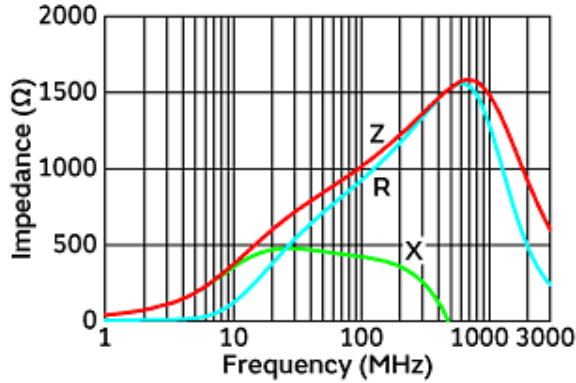
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## Product Data



Impedance-Frequency Characteristics



Equivalent Circuit

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