

# BLM15HD102SN1#

“#” indicates a package specification code.

In Production

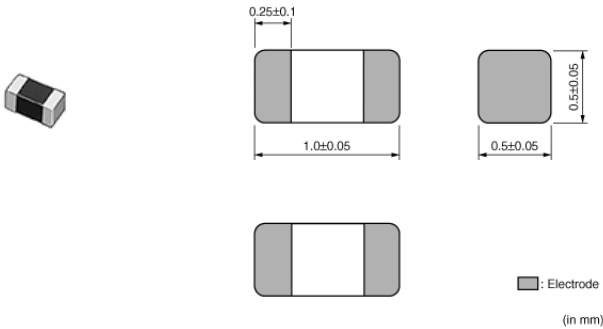
RoHS

REACH

< List of part numbers with package codes >

BLM15HD102SN1B BLM15HD102SN1D BLM15HD102SN1J

## 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

1. EMI suppression for Note PC and DSC
2. Noise suppression for data line in mobile phone
3. Prevention of erroneous operation caused by local oscillation signal in mobile phone
4. Optical pickup modules

## Applications

|             |             |
|-------------|-------------|
| Other Usage | For general |
|-------------|-------------|

## 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            | 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)             | 2000Ω          |                   |        |
| Impedance (at 1GHz) Tolerance   | ±40%           |                   |        |
| Rated Current (at 85°C)         | 250mA          |                   |        |
| Rated Current (at 125°C)        | 250mA          |                   |        |
| DC Resistance(max.)             | 1.25Ω          |                   |        |
| Operating Temperature Range     | -55°C to 125°C |                   |        |

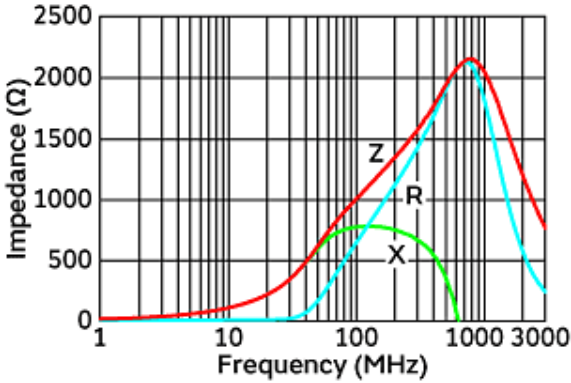
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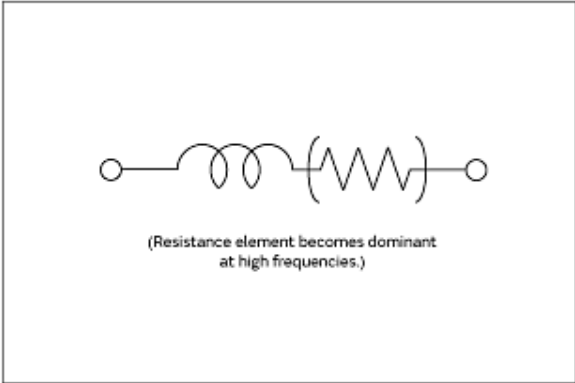
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## Product Data



Impedance-Frequency Characteristics



Equivalent Circuit

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