

# BLM15KD200SN1#

“#” indicates a package specification code.

In Production

RoHS

REACH

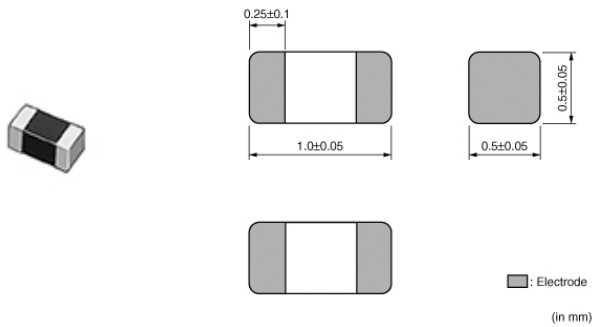
## < List of part numbers with package codes >

BLM15KD200SN1B

BLM15KD200SN1D

BLM15KD200SN1J

## Appearance & Shape



## Packaging Information

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

## Applications

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

## Features

- The chip ferrite beads BLM series is designed to function nearly as a resistor at noise frequencies, which greatly reduces the possibility of resonance and leaves signal wave forms undistorted. BLM series is effective in circuits without stable ground lines because BLM series does not need a connection to ground.
- The nickel barrier structure of the external electrodes provides excellent solder heat resistance.
- BLM15 maximum rated current 3.8A. It is effective in noise reduction at the communication frequency of 700MHz.

### 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 125°C |
| Mass(typ.)                      | 0.001g         |
| Number of Circuit               | 1              |
| Rated Current (at 85°C)         | 3.8A           |
| Rated Current (at 125°C)        | 2.35A          |
| DC Resistance(max.)             | 0.011Ω         |
| Impedance (at 100MHz)           | 20Ω            |
| Impedance (at 100MHz) Tolerance | ±25%           |
| Size Code (in mm)               | 1005           |

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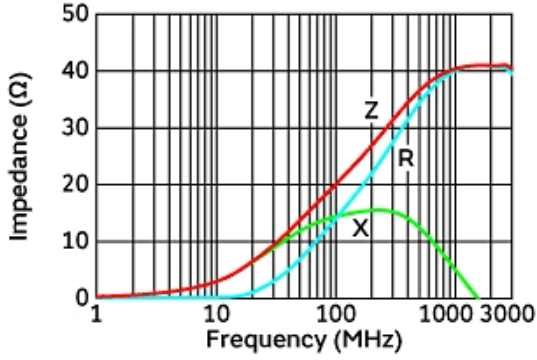
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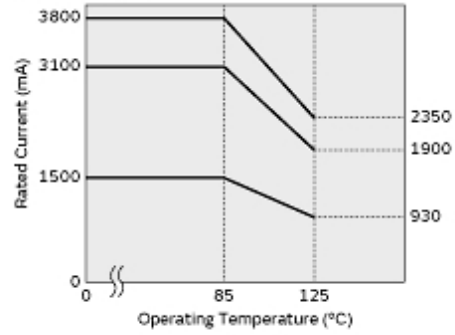
## Product Data



Impedance-Frequency Characteristics

In operating temperature exceeding +85°C, derating of current is necessary for BLM15KD\_SN1 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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