

# BLM21BD102SZ1#

“#” indicates a package specification code.

In Production

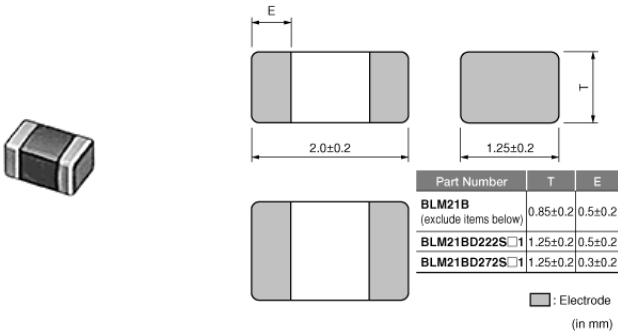
AEC-Q200

RoHS

REACH

< List of part numbers with package codes >  
BLM21BD102SZ1J BLM21BD102SZ1D BLM21BD102SZ1B

## Appearance & Shape



## Packaging Information

| Packaging | Specifications   | Minimum Order Quantity |
|-----------|------------------|------------------------|
| J         | 330mm Paper Tape | 10000                  |
| D         | 180mm Paper Tape | 4000                   |
| B         | Bulk(Bag)        | 1000                   |

## Applications

|                  |              |
|------------------|--------------|
| Automotive Usage | Infotainment |
|------------------|--------------|

**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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## Features

The chip ferrite beads BLM series is designed to work 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.

BLM\_B series can minimize attenuation of the signal waveform due to its sharp impedance characteristics. Various impedances are available to match signal frequency.

The nickel barrier structure of the external electrodes provides excellent solder heat resistance.

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## Specifications

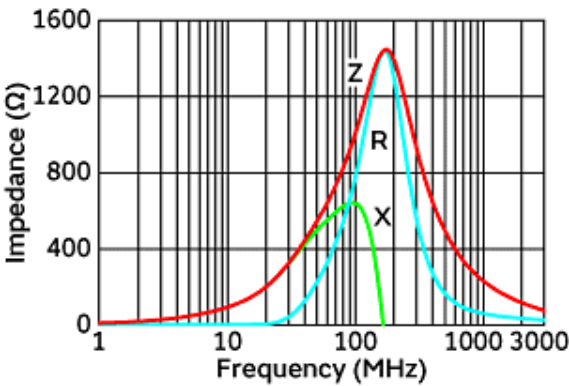
|                                 |                |
|---------------------------------|----------------|
| Shape                           | SMD            |
| Size Code (in mm)               | 2012           |
| Size Code (in inch)             | 0805           |
| Length                          | 2.0mm          |
| Length Tolerance                | ±0.2mm         |
| Width                           | 1.25mm         |
| Width Tolerance                 | ±0.2mm         |
| Thickness                       | 0.85mm         |
| Thickness Tolerance             | ±0.2mm         |
| Impedance (at 100MHz)           | 1000Ω          |
| Impedance (at 100MHz) Tolerance | ±25%           |
| Rated Current (at 85°C)         | 250mA          |
| Rated Current (at 125°C)        | 250mA          |
| DC Resistance(max.)             | 0.4Ω           |
| Operating Temperature Range     | -55°C to 125°C |
| Mass(typ.)                      | 0.01g          |
| Number of Circuit               | 1              |

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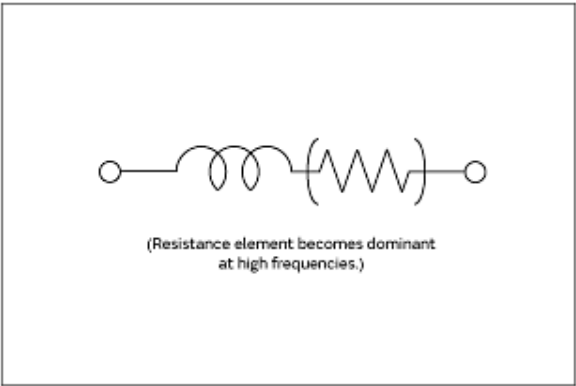
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## Product Data



Impedance-Frequency Characteristics



Equivalent Circuit

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