

BLM03BX102SN1#

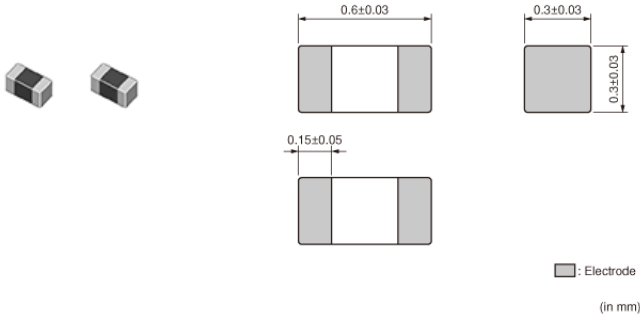
“#” indicates a package specification code.



< List of part numbers with package codes >

BLM03BX102SN1D BLM03BX102SN1J BLM03BX102SN1B

Appearance & Shape



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 small size of BLM03B series (0.6x0.3mm) is suitable for advanced high-density mounting, and is followed on a miniaturization of digital equipment, or module of a functional portion.

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

BLM_X series is designed to be low DC resistance using new materials.

Applications

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

Packaging Information

| Packaging | Specifications | Minimum Order Quantity |
|-----------|------------------|------------------------|
| D | 180mm Paper Tape | 15000 |
| J | 330mm Paper Tape | 50000 |
| B | Bulk(Bag) | 1000 |

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 mm) | 0603 |
| Size Code (in inch) | 0201 |
| Length | 0.6mm |
| Length Tolerance | ±0.03mm |
| Width | 0.3mm |
| Width Tolerance | ±0.03mm |
| Thickness | 0.3mm |
| Thickness Tolerance | ±0.03mm |
| Impedance (at 100MHz) | 1000Ω |
| Impedance (at 100MHz) Tolerance | ±25% |
| Rated Current (at 85°C) | 170mA |
| Rated Current (at 125°C) | 170mA |
| DC Resistance(max.) | 1.7Ω |
| Operating Temperature Range | -55°C to 125°C |
| Mass(typ.) | 0.0003g |
| Number of Circuit | 1 |

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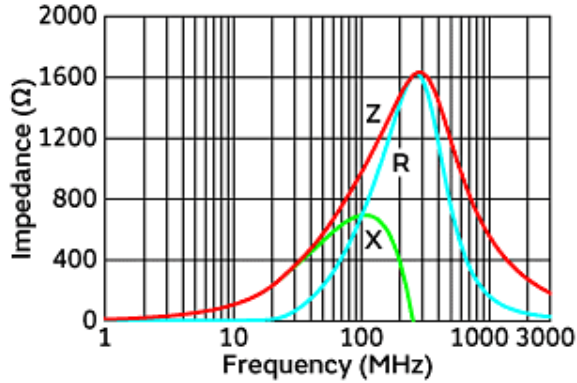
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Product Data



Impedance-Frequency Characteristics



Equivalent Circuit

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