

# BLM02BC220SN1#

“#” at the end indicates the package specification code.

In Production

RoHS

REACH

## < List of part numbers with package codes >

BLM02BC220SN1B

BLM02BC220SN1D

BLM02BC220SN1L

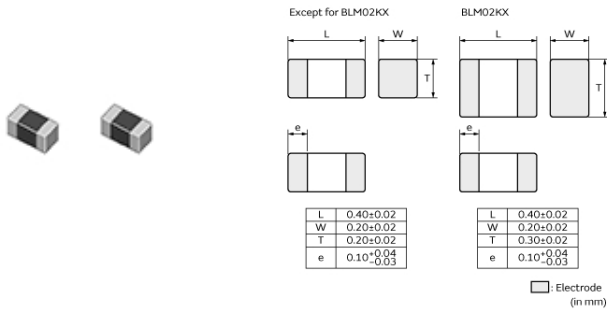
## Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	Consumer equipment, Medical equipment [GHTF A/B/C] except for implant & surgery & auto injector, Industrial equipment except for transportation & facility & energy equipment Please refer to Our Website and specifications, etc. for information about the performance, functions, quality, management, and safety required for the above applications, and use Products after confirming the performance and reliability of the actual Product.
Recommended Applications	Consumer equipment

## Packaging Information

Packaging	Specifications	Standard Packing Quantity
B	Bulk(Bag)	1000
D	180mm Paper Tape	20000
L	180mm Embossed Tape	40000

## Appearance & Shape



### 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 small size of BLM02B series (0.4×0.2mm) 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.

It is small and suitable for measures against high frequency noise suppression from 1.5GHz to 5GHz.

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## Specifications

Shape	SMD
Size Code (in inch)	01005
Length	0.4mm
Length Tolerance	±0.02mm
Width	0.2mm
Width Tolerance	±0.02mm
Thickness	0.2mm
Thickness Tolerance	±0.02mm
Operating Temperature Range	-55°C to 125°C
Mass(typ.)	0.08mg
Number of Circuit	1
Rated Current (at 125°C)	200mA
DC Resistance(max.)	0.9Ω
Impedance (at 100MHz)	22Ω
Impedance (at 100MHz) Tolerance	±25%
Impedance (at 1GHz)	240Ω
Impedance (at 1GHz) Tolerance	±40%
Impedance (at 2GHz)	340Ω
Impedance (at 2GHz) Tolerance	±40%
Size Code (in mm)	0402

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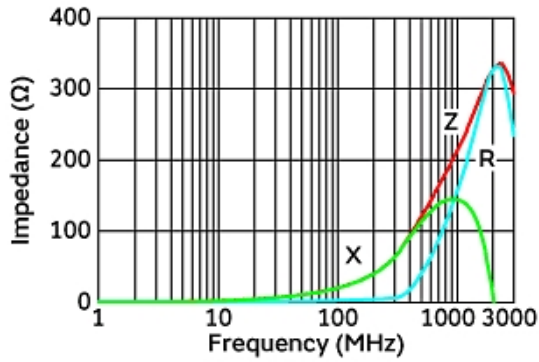
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## Product Data



Impedance-Frequency Characteristics

Equivalent Circuit

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