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INNOVATOR IN ELECTRONICS

Product Search Data Sheet

Note: This datasheet may be out of date.
Please download the latest datasheet of BLM18BB221SN1# from the official website of Murata Manufacturing Co., Ltd.
https://www.murata.com/en-global/products/productdetail?partno=BLM18BB221SN1%23

# BLM18BB221SN1#

"#" indicates a package specification code.

In Production   RoHS   REACH

< List of part numbers with package codes >
BLM18BB221SN1B   BLM18BB221SN1D   BLM18BB221SN1J

Appearance & Shape

0.4±0.2
1.6±0.15
0.8±0.15
0.8±0.15

▢ : Electrode

(in mm)
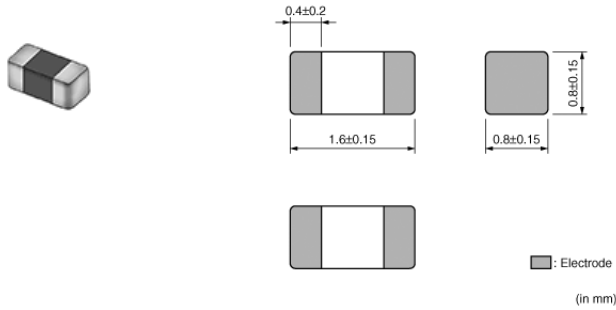
Features

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.

Applications

Other Usage	For general

Packaging Information

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

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URL : https://www.murata.com/

Last updated : 2018/06/06

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Specifications

Shape	SMD
Size Code (in mm)	1608
Size Code (in inch)	0603
Length	1.6mm
Length Tolerance	±0.15mm
Width	0.8mm
Width Tolerance	±0.15mm
Thickness	0.8mm
Thickness Tolerance	±0.15mm
Impedance (at 100MHz)	220Ω
Impedance (at 100MHz) Tolerance	±25%
Rated Current (at 85℃)	450mA
Rated Current (at 125℃)	450mA
DC Resistance(max.)	0.45Ω
Operating Temperature Range	-55℃ to 125℃
Mass(typ.)	0.005g
Number of Circuit	1

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Product Data
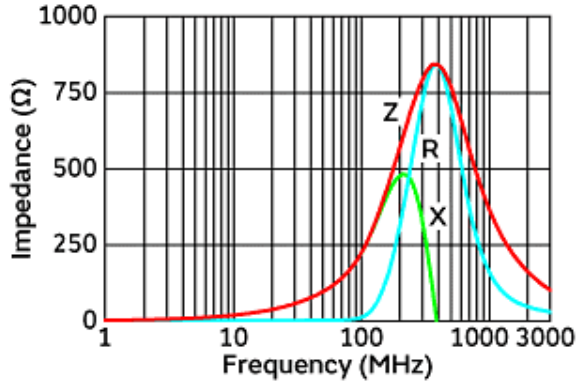
Impedance-Frequency Characteristics

(Resistance element becomes dominant at high frequencies.)

Equivalent Circuit

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