muRata
INNOVATOR IN ELECTRONICS

Note: This datasheet may be out of date.
Please download the latest datasheet of BLE32SN120SH1# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=BLE32SN120SH1%23

BLE32SN120SH1#

"#" indicates a package specification code.

In Production | New | AEC-Q200 | RoHS | REACH

## < List of part numbers with package codes >

BLE32SN120SH1B   BLE32SN120SH1K   BLE32SN120SH1L

Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	Automotive powertrain/safety equipment, Automotive infotainment/comfort equipment,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	Automotive powertrain/safety equipment

Appearance & Shape

2.0±0.2
3.2±0.2
2.5±0.2
0.7±0.3

⬛ : Electrode
(in mm)
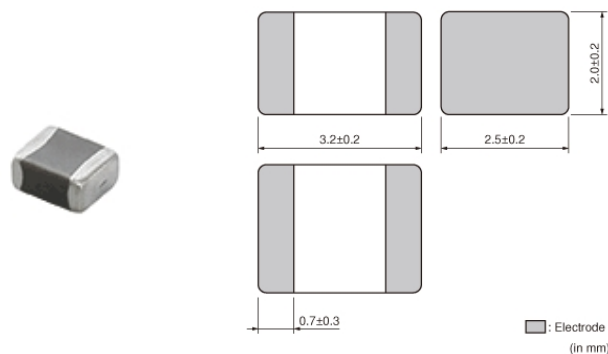
Packaging Information

Packaging	Specifications	Standard Packing Quantity
B	Bulk(Bag)	1000
K	330mm Embossed Tape	7000
L	180mm Embossed Tape	1500

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

Last updated10/07/2023

Product Search Data Sheet

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Features

1. Bead inductor BLE 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.
2. The nickel barrier structure of the external electrodes provides excellent solder heat resistance.
3. BLE32SN series can be used in high current circuits due to its low DC resistance. It can match power lines to a maximum of 20ADC.

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Specifications

Shape	SMD
Size Code (in inch)	1210
Length	3.2mm
Length　Tolerance	±0.2mm
Width	2.5mm
Width Tolerance	±0.2mm
Thickness	2.0mm
Thickness　Tolerance	±0.2mm
Operating Temperature Range	-55℃ to 125℃
Mass(typ.)	0.08g
Number of Circuit	1
Rated Current (at 85℃)	20A
Rated Current (at 125℃)	20A
DC Resistance(max.)	0.6mΩ
Impedance (at 100MHz)	12Ω
Impedance (at 100MHz) Tolerance	±5Ω
Size Code (in mm)	3225

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Product Data
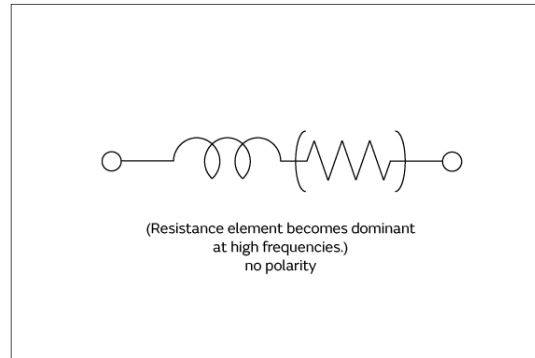
Impedance-Frequency Characteristics

(Resistance element becomes dominant at high frequencies.)
no polarity

Equivalent Circuit

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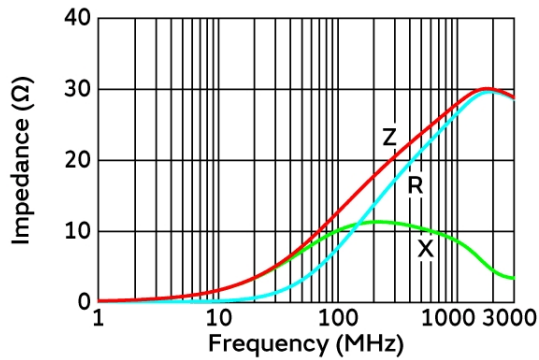
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