BLE32SN120BH1#

"#"at the end indicates the package specification code.

In Production | AEC-Q200 | RoHS | REACH

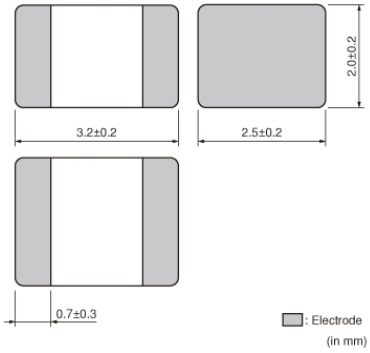
< List of part numbers with package codes >

BLE32SN120BH1B BLE32SN120BH1K BLE32SN120BH1L

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 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



Packaging Information

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

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 150℃
Mass(typ.)	0.08g
Number of Circuit	1
Rated Current (at 85℃)	20A
Rated Current (at 125℃)	20A
Rated Current (at 150℃)	0.01A
DC Resistance(max.)	0.6mΩ
Impedance (at 100MHz)	12Ω
Impedance (at 100MHz) Tolerance	±5Ω
Size Code (in mm)	3225

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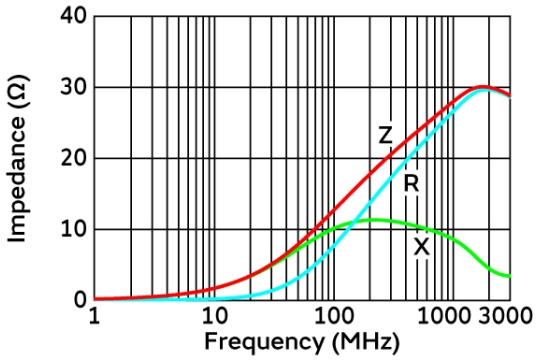
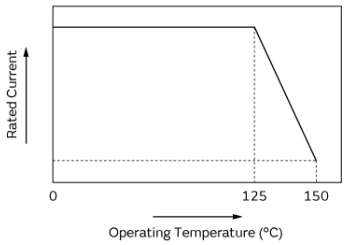
Product Data



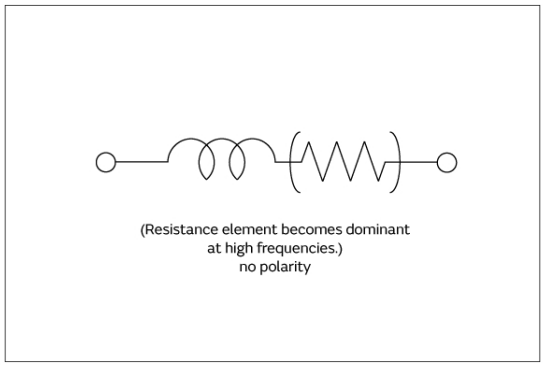
Impedance-Frequency Characteristics

In operating temperature exceeding +125°C, derating of current is necessary for this series.
Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Derating of Rated Current



Equivalent Circuit