

BLM15EX121SN1#

“#” indicates a package specification code.

In Production

RoHS

REACH

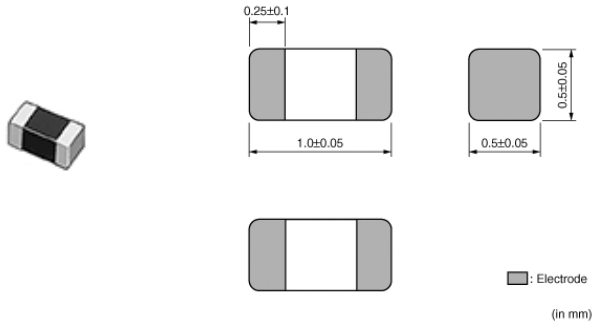
< List of part numbers with package codes >

BLM15EX121SN1B

BLM15EX121SN1D

BLM15EX121SN1J

Appearance & Shape



Packaging Information

Packaging	Specifications	Standard Packing Quantity
B	Bulk(Bag)	1000
D	180mm Paper Tape	10000
J	330mm Paper Tape	50000

Applications

Other Usage	For general
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Attention

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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

Excellent high frequency impedance characteristics with 0402 (EIA) size.

Features

1. Small size: 1.0x0.5mm (0402)
2. Suitable for noise suppression in 1GHz or higher frequency
3. Low DC Resistance/Large Rated Current (BLM15E)
Realize a Low DC Resistance than conventional products.
4. No Lead production using Ni+Sn plating in termination

Applications

1. EMI suppression for Note PC and DSC
2. Noise suppression for data line in mobile phone
3. Copying machines, communications equipment, digital TV / VTR noise suppression.
4. Noise suppression in mobile wireless machine.

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Specifications

Shape	SMD
Size Code (in inch)	0402
Length	1.0mm
Length Tolerance	±0.05mm
Width	0.5mm
Width Tolerance	±0.05mm
Thickness	0.5mm
Thickness Tolerance	±0.05mm
Operating Temperature Range	-55°C to 125°C
Mass(typ.)	0.001g
Number of Circuit	1
Rated Current (at 85°C)	1.8A
Rated Current (at 125°C)	1.2A
DC Resistance(max.)	0.075Ω
Impedance (at 100MHz)	120Ω
Impedance (at 100MHz) Tolerance	±25%
Impedance (at 1GHz)	170Ω
Impedance (at 1GHz) Tolerance	±40%
Size Code (in mm)	1005

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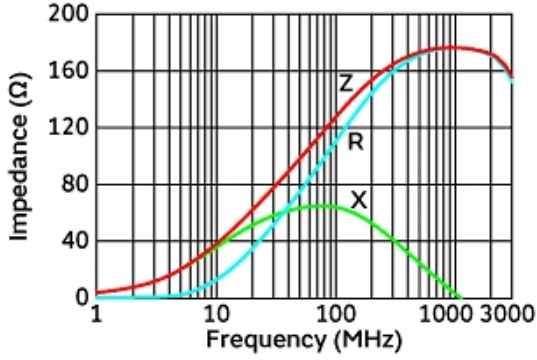
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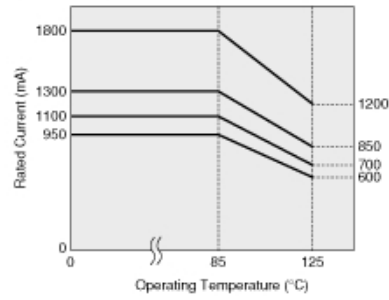
Product Data



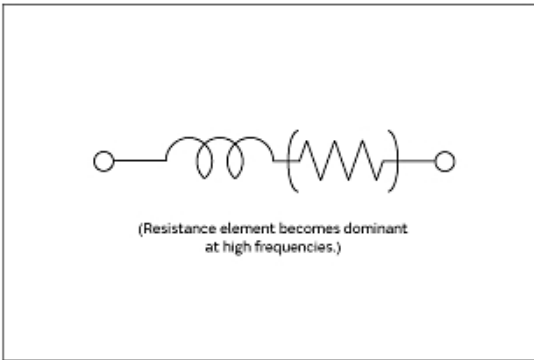
Impedance-Frequency Characteristics

In operating temperature exceeding +85°C, derating of current is necessary for BLM15EX series. Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Derating of Rated Current



Equivalent Circuit

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