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BLM15EG121SN1#

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

NRND RoHS REACH

< List of part numbers with package codes >

BLM15EG121SN1B BLM15EG121SN1D BLM15EG121SN1J

Applications

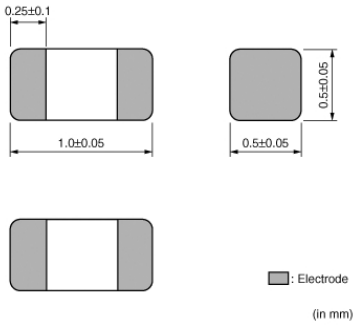
Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	Consumer equipment,Medical equipment [GHTF A/B/C] except for implant & surgery & auto injector, Industrial equipment except for transportation & facility & energy equipment Please refer to 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	10000
J	330mm Paper Tape	50000

Appearance & Shape





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 (BLM15HG/HD/EG Series)
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)
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. Prevention of erroneous operation caused by local oscillation signal in mobile phone
4. Optical pickup modules

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BLM15EG121SN1#

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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℃ to 125℃
Mass(typ.)	0.001g
Number of Circuit	1
Rated Current (at 85℃)	1500mA
Rated Current (at 125℃)	900mA
DC Resistance(max.)	0.095Ω
Impedance (at 100MHz)	120Ω
Impedance (at 100MHz) Tolerance	±25%
Impedance (at 1GHz)	145Ω
Impedance (at 1GHz) Tolerance	(Typ.)
Size Code (in mm)	1005

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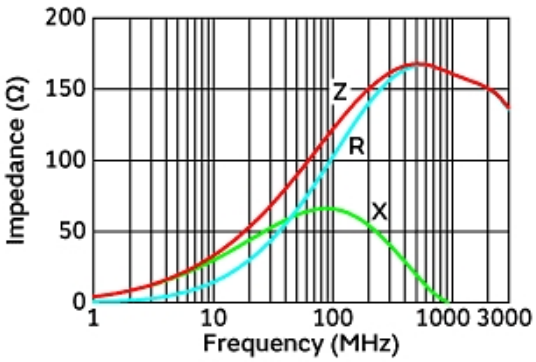
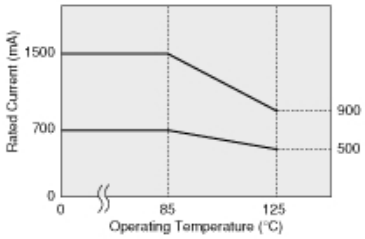
Product Data



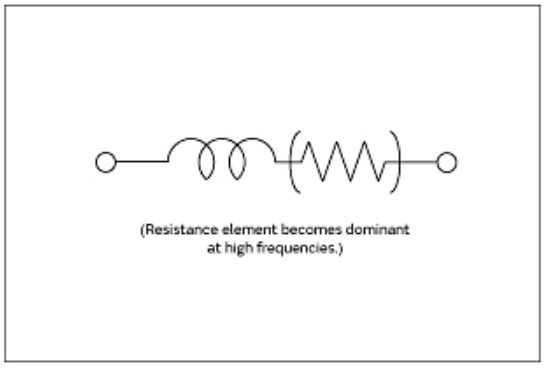
Impedance-Frequency Characteristics

In operating temperature exceeding +85°C, derating of current is necessary for BLM15E 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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