

# BLM15EG121SZ1#

“#” indicates a package specification code.

In Production

AEC-Q200

RoHS

REACH

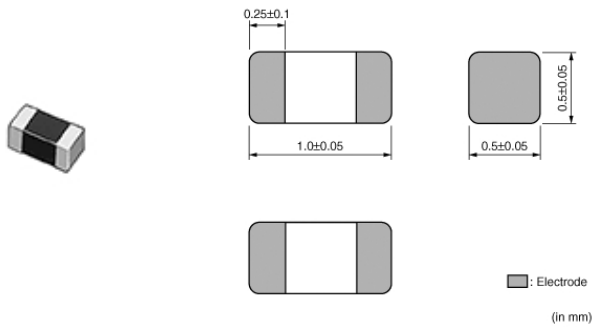
## < List of part numbers with package codes >

BLM15EG121SZ1B

BLM15EG121SZ1D

BLM15EG121SZ1J

## Appearance & Shape



## Packaging Information

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

## Applications

Automotive Usage	Infotainment
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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.

### 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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## 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)	1.5A
Rated Current (at 125°C)	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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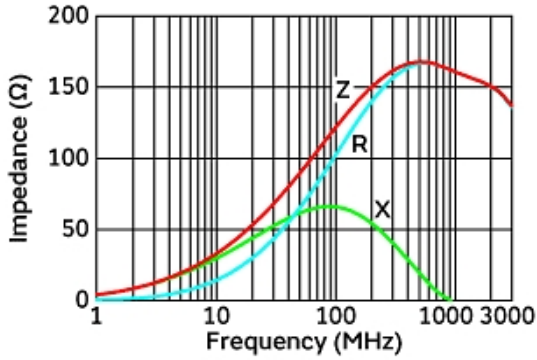
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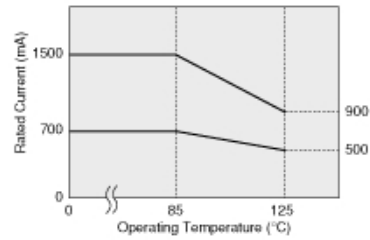
## Product Data



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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