

# BLM15EG121SH1#

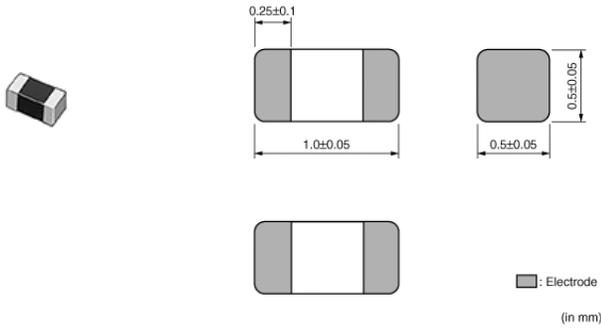
“#” indicates a package specification code.



< List of part numbers with package codes >

BLM15EG121SH1B BLM15EG121SH1D BLM15EG121SH1J

## Appearance & Shape



## 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. Noise suppression for data line in mobile phone
2. Prevention of erroneous operation caused by local oscillation signal in mobile phone
3. Optical pickup modules

## Applications

Automotive Usage	Powertrain/Safety
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## Packaging Information

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

### 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	Impedance (at 1GHz)	145Ω
Size Code (in mm)	1005	Impedance (at 1GHz) Tolerance	(Typ.)
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		
Rated Current (at 85°C)	1.5A		
Rated Current (at 125°C)	900mA		
Operating Temperature Range	-55°C to 125°C		
Mass(typ.)	0.001g		
Number of Circuit	1		
DC Resistance(max.)	0.095Ω		
Impedance (at 100MHz)	120Ω		
Impedance (at 100MHz) Tolerance	±25%		

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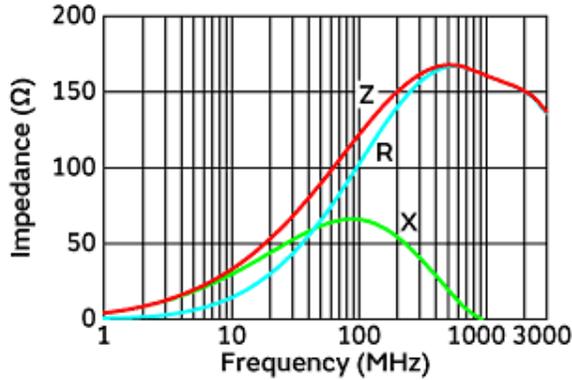
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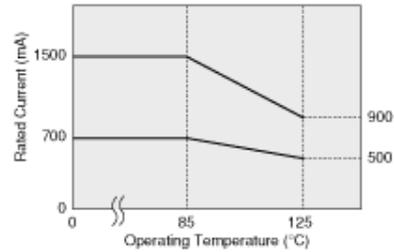
## Product Data



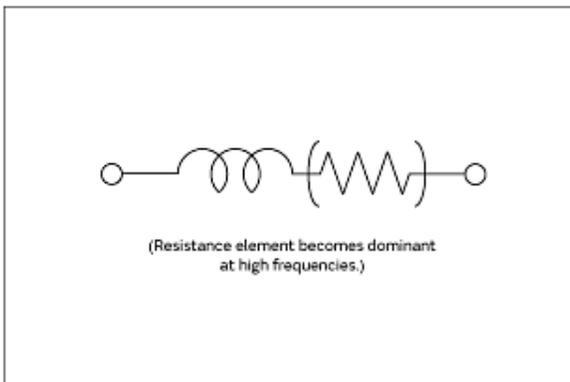
Impedance-Frequency Characteristics

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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