

# BLM15EG221SN1#

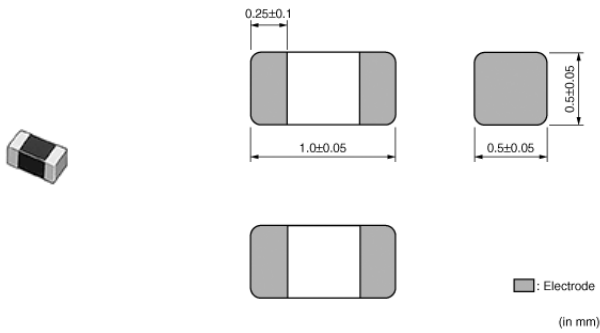
“#” indicates a package specification code.



< List of part numbers with package codes >

BLM15EG221SN1J BLM15EG221SN1B BLM15EG221SN1D

## Appearance & Shape



## Packaging Information

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

## Applications

Other Usage	For general
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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

### Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its 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 mm)	1005
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
Impedance (at 100MHz)	220Ω
Impedance (at 100MHz) Tolerance	±25%
Impedance (at 1GHz)	270Ω
Impedance (at 1GHz) Tolerance	(Typ.)
Rated Current (at 85°C)	700mA
Rated Current (at 125°C)	500mA
DC Resistance(max.)	0.28Ω
Operating Temperature Range	-55°C to 125°C
Mass(typ.)	0.001g
Number of Circuit	1

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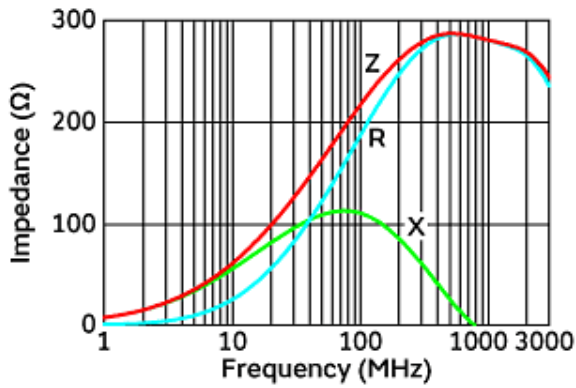
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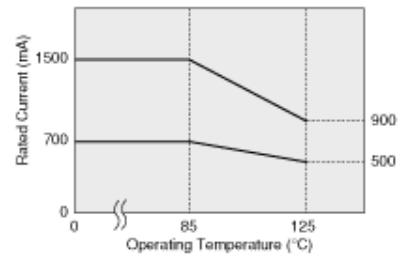
## Product Data



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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