

BLM15HG102BH1#

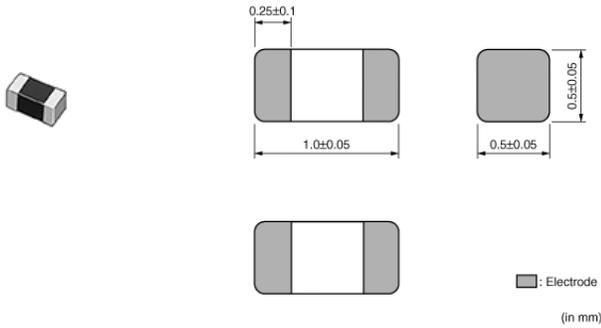
“#” indicates a package specification code.



< List of part numbers with package codes >

BLM15HG102BH1B BLM15HG102BH1D BLM15HG102BH1J

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

High Temperature Area Up to 150°C Such as Engine Room

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 100MHz) Tolerance	±25%
Size Code (in mm)	1005	Impedance (at 1GHz)	1400Ω
Size Code (in inch)	0402	Impedance (at 1GHz) Tolerance	±40%
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)	250mA		
Rated Current (at 125°C)	250mA		
Rated Current (at 150°C)	20mA		
Operating Temperature Range	-55°C to 150°C		
Mass(typ.)	0.001g		
Number of Circuit	1		
DC Resistance(max.)	1.1Ω		
Impedance (at 100MHz)	1000Ω		

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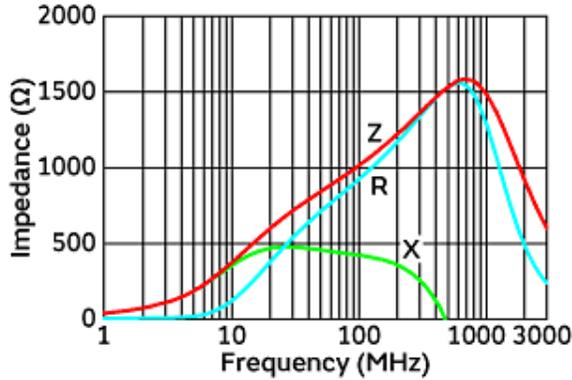
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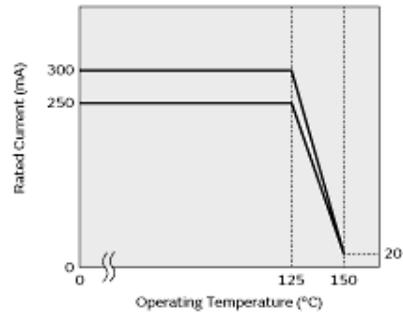
Product Data



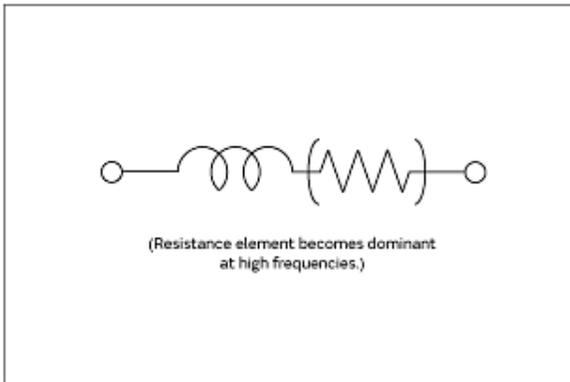
Impedance-Frequency Characteristics

In operating temperature exceeding +125°C, derating of current is necessary for BLM15HG 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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