

# BLM18EG121SH1#

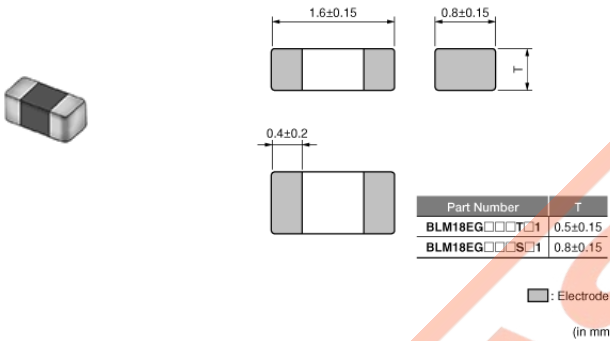
“#” indicates a package specification code.



< List of part numbers with package codes >

BLM18EG121SH1B BLM18EG121SH1D BLM18EG121SH1J

## Appearance & Shape



## Features

BLM18E series has a modified internal electrode structure, that minimizes stray capacitance and increases the effective frequency range.

- Features
1. Low DC Resistance and a large Rated Current are suitable for noise suppression of the driver circuit.
  2. Excellent direct current characteristics.
  3. Thin type ( $t=0.5\text{mm}$ ) is suitable for small and low profile equipment such as ETC, RKE.

## Applications

Automotive Usage  
Powertrain/Safety

## Packaging Information

Packaging	Specifications	Minimum Order Quantity
B	Bulk(Bag)	1000
D	180mm Paper Tape	4000
J	330mm Paper Tape	10000

**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

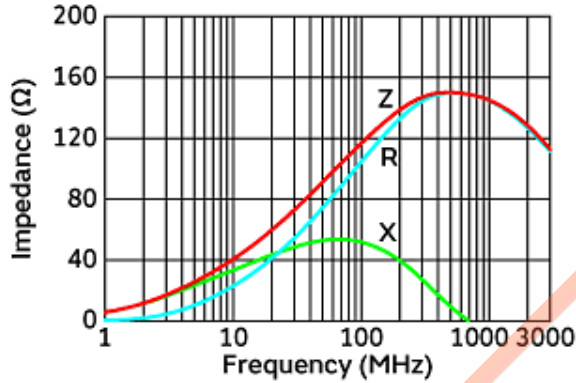
Shape	SMD	Mass(typ.)	0.005g
Size Code (in mm)	1608	Number of Circuit	1
Size Code (in inch)	0603		
Length	1.6mm		
Length Tolerance	±0.15mm		
Width	0.8mm		
Width Tolerance	±0.15mm		
Thickness	0.8mm		
Thickness Tolerance	±0.15mm		
Impedance (at 100MHz)	120Ω		
Impedance (at 100MHz) Tolerance	±25%		
Impedance (at 1GHz)	145Ω		
Impedance (at 1GHz) Tolerance	(Typ.)		
Rated Current (at 85°C)	2A		
Rated Current (at 125°C)	1A		
DC Resistance(max.)	0.04Ω		
Operating Temperature Range	-55°C to 125°C		

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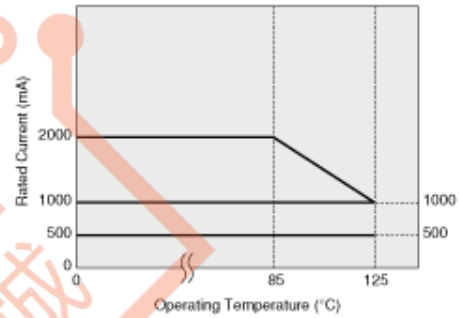
## Product Data



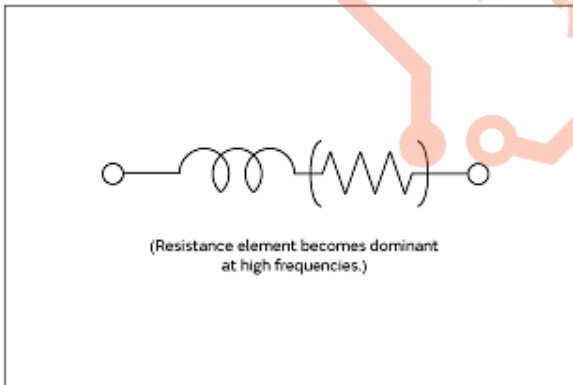
Impedance-Frequency Characteristics

In operating temperature exceeding +85°C, derating of current is necessary for BLM18EG 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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