

# BLM18SG121TN1#

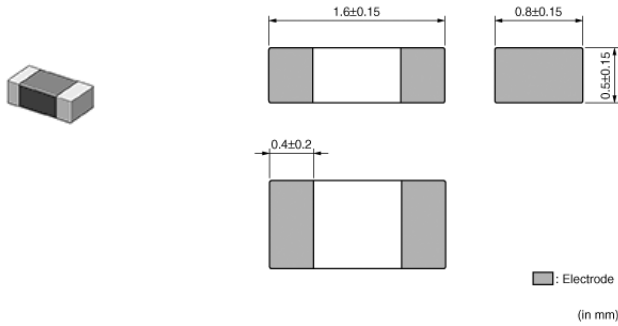
“#” indicates a package specification code.



< List of part numbers with package codes >

BLM18SG121TN1B BLM18SG121TN1D BLM18SG121TN1J

## Appearance & Shape



## Features

1. Low DC Resistance/Large Rated Current
2. BLM18S series can be used in high current circuits due to its low DC resistance. It can match power lines to a maximum of 6ADC.
3. Ni+Sn plating structure of the external electrodes provides excellent solder heat resistance.

Applications  
EMI suppression for DC power line

## Applications

Other Usage	For general
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## Packaging Information

Packaging	Specifications	Minimum Order Quantity
B	Bulk(Bag)	1000
D	180mm Paper Tape	10000
J	330mm Paper Tape	30000

### 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 mm)	1608
Size Code (in inch)	0603
Length	1.6mm
Length Tolerance	±0.15mm
Width	0.8mm
Width Tolerance	±0.15mm
Thickness	0.5mm
Thickness Tolerance	±0.15mm
Impedance (at 100MHz)	120Ω
Impedance (at 100MHz) Tolerance	±25%
Rated Current (at 85°C)	3A
Rated Current (at 125°C)	1A
DC Resistance(max.)	0.025Ω
Operating Temperature Range	-55°C to 125°C
Mass(typ.)	0.004g
Number of Circuit	1

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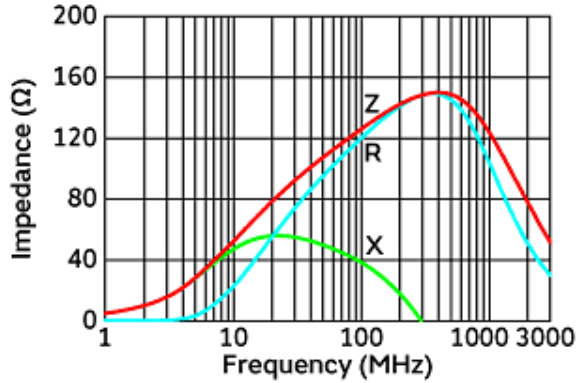
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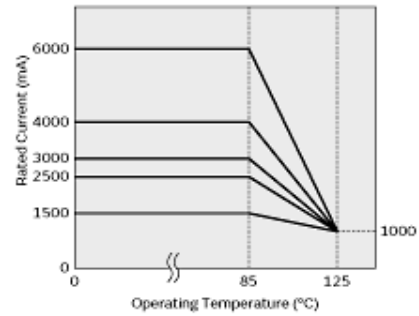
## Product Data



Impedance-Frequency Characteristics

In operating temperature exceeding +85°C, derating of current is necessary for BLM18SG\_T□1 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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