Note: This datasheet may be out of date.

Please download the latest datasheet of BLM18SG121TN1# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=BLM18SG121TN1%23

BLM18SG121TN1#

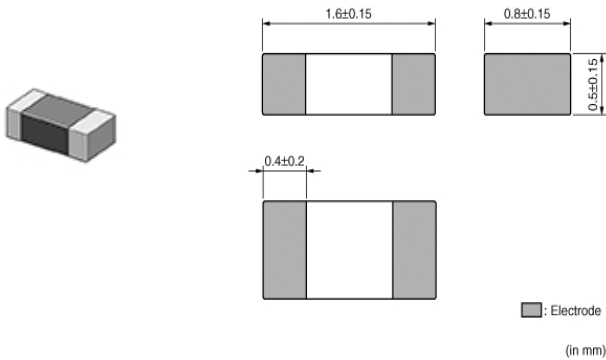"#" indicates a package specification code.

In Production **RoHS** **REACH**

< List of part numbers with package codes >

BLM18SG121TN1B   BLM18SG121TN1D   BLM18SG121TN1J

Appearance & Shape

1.6±0.15   0.8±0.15   0.5±0.15

0.4±0.2

■: Electrode

(in mm)

Packaging Information

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

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

Attention

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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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BLM18SG121TN1#

"#" indicates a package specification code.

Specifications

Shape	SMD
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
Operating Temperature Range	-55℃ to 125℃
Mass(typ.)	0.004g
Number of Circuit	1
Rated Current (at 85℃)	3A
Rated Current (at 125℃)	1A
DC Resistance(max.)	0.025Ω
Impedance (at 100MHz)	120Ω
Impedance (at 100MHz) Tolerance	±25%
Size Code (in mm)	1608

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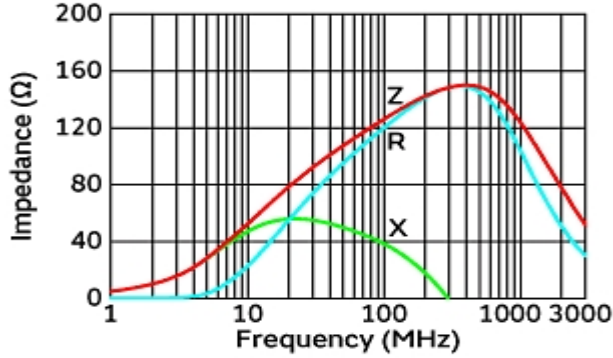
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# BLM18SG121TN1#

"#" indicates a package specification code.

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

(Resistance element becomes dominant at high frequencies.)
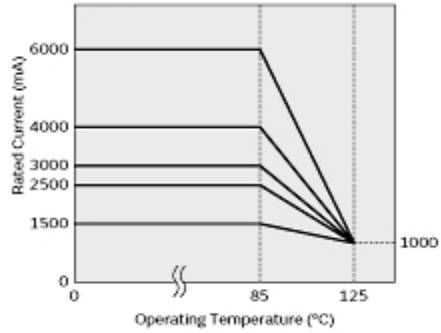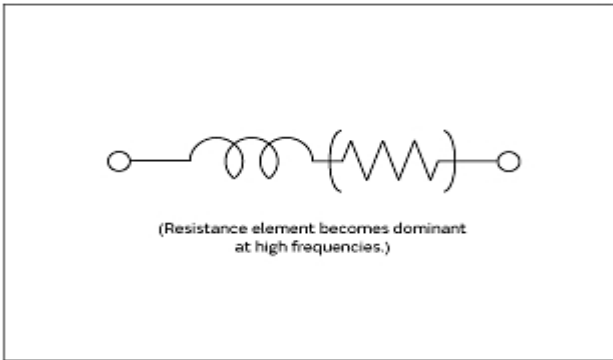
Equivalent Circuit

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