

BLM18SG121TN1#

“#” at the end indicates the package specification code.

In Production

RoHS

REACH

< List of part numbers with package codes >

BLM18SG121TN1B

BLM18SG121TN1D

BLM18SG121TN1J

Applications

| | |
|--------------------------|---|
| Unsuitable Applications | Please be sure to read and comply with these "Precautions for use." |
| Specific Applications | Consumer equipment, Medical equipment [GHTF A/B/C] except for implant & surgery & auto injector, Industrial equipment except for transportation & facility & energy equipment Please refer to Our Website and specifications, etc. for information about the performance, functions, quality, management, and safety required for the above applications, and use Products after confirming the performance and reliability of the actual Product. |
| Recommended Applications | Consumer equipment |

Packaging Information

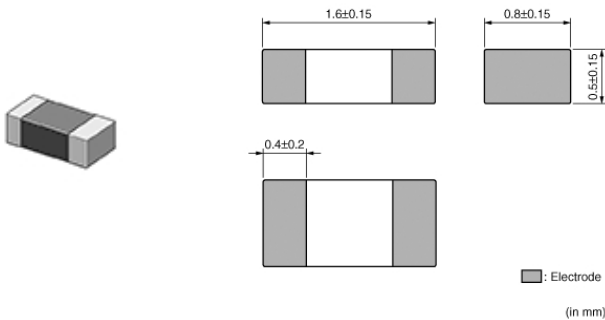
| Packaging | Specifications | Standard Packing Quantity |
|-----------|------------------|---------------------------|
| B | Bulk(Bag) | 1000 |
| D | 180mm Paper Tape | 10000 |
| J | 330mm Paper Tape | 30000 |

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

Appearance & Shape



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 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°C to 125°C |
| Mass(typ.) | 0.004g |
| Number of Circuit | 1 |
| Rated Current (at 85°C) | 3A |
| Rated Current (at 125°C) | 1A |
| DC Resistance(max.) | 0.025Ω |
| Impedance (at 100MHz) | 120Ω |
| Impedance (at 100MHz) Tolerance | ±25% |
| Size Code (in mm) | 1608 |

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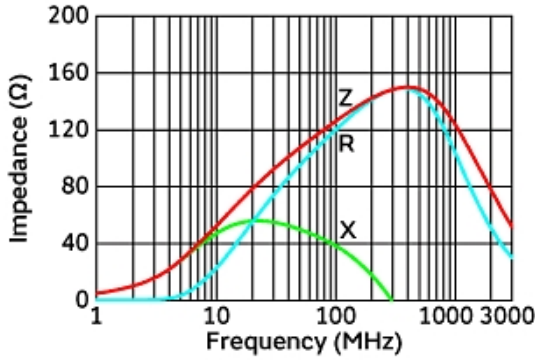
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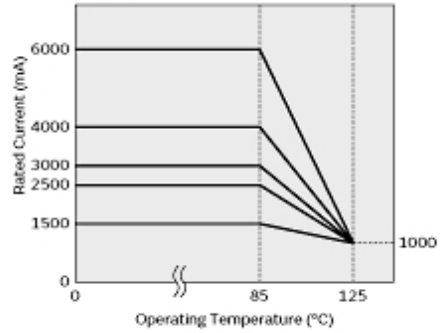
Product Data



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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