

BLM18EG121SH1#

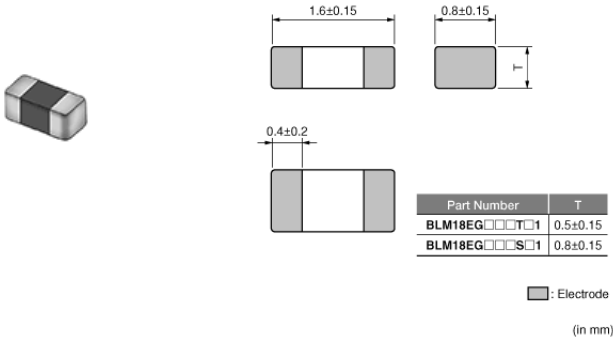
“#” indicates a package specification code.



< List of part numbers with package codes >

BLM18EG121SH1D BLM18EG121SH1J BLM18EG121SH1B

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=0.5mm) is suitable for small and low profile equipment such as ETC, RKE.

Applications

| | |
|------------------|-------------------|
| Automotive Usage | Powertrain/Safety |
|------------------|-------------------|

Packaging Information


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

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 | | |

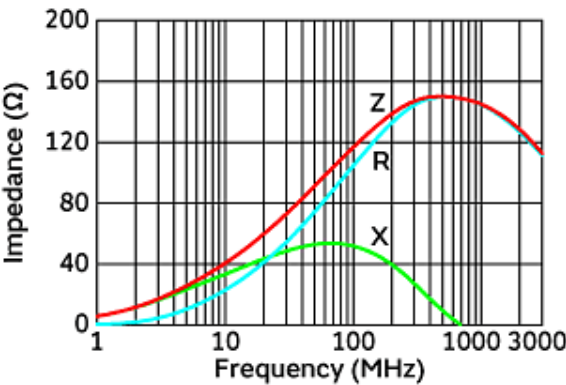
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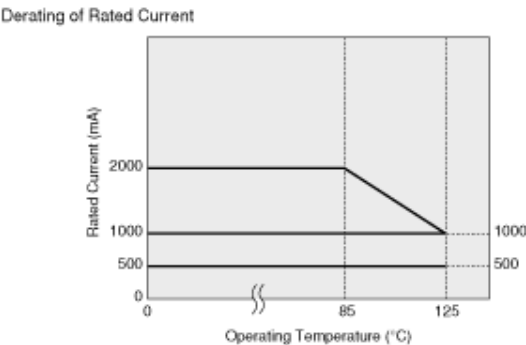
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Product Data

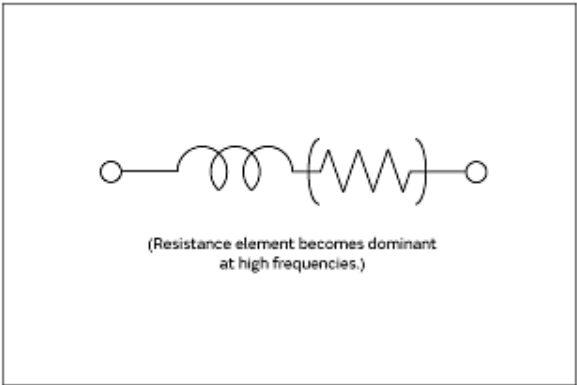


Impedance-Frequency Characteristics

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



Equivalent Circuit

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