

BLM15EX471SN1#

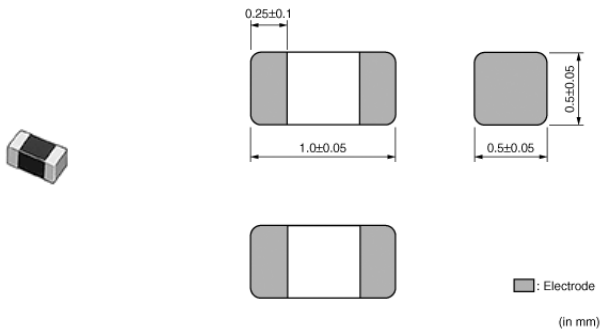
“#” indicates a package specification code.

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

< List of part numbers with package codes >

BLM15EX471SN1J BLM15EX471SN1B BLM15EX471SN1D

Appearance & Shape



Packaging Information

| Packaging | Specifications | Minimum Order Quantity |
|-----------|------------------|------------------------|
| J | 330mm Paper Tape | 50000 |
| B | Bulk(Bag) | 1000 |
| D | 180mm Paper Tape | 10000 |

Applications

| | |
|-------------|-------------|
| Other Usage | For general |
|-------------|-------------|

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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Features

Excellent high frequency impedance characteristics with 0402 (EIA) size.

Features

1. Small size: 1.0x0.5mm (0402)
2. Suitable for noise suppression in 1GHz or higher frequency
3. Low DC Resistance/Large Rated Current (BLM15E)
Realize a Low DC Resistance than conventional products.
4. No Lead production using Ni+Sn plating in termination

Applications

1. EMI suppression for Note PC and DSC
2. Noise suppression for data line in mobile phone
3. Copying machines, communications equipment, digital TV / VTR noise suppression.
4. Noise suppression in mobile wireless machine.

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Specifications

| | |
|---------------------------------|----------------|
| Shape | SMD |
| Size Code (in mm) | 1005 |
| Size Code (in inch) | 0402 |
| Length | 1.0mm |
| Length Tolerance | ±0.05mm |
| Width | 0.5mm |
| Width Tolerance | ±0.05mm |
| Thickness | 0.5mm |
| Thickness Tolerance | ±0.05mm |
| Impedance (at 100MHz) | 470Ω |
| Impedance (at 100MHz) Tolerance | ±25% |
| Impedance (at 1GHz) | 630Ω |
| Impedance (at 1GHz) Tolerance | ±40% |
| Rated Current (at 85°C) | 950mA |
| Rated Current (at 125°C) | 600mA |
| DC Resistance(max.) | 0.28Ω |
| Operating Temperature Range | -55°C to 125°C |
| Mass(typ.) | 0.001g |
| Number of Circuit | 1 |

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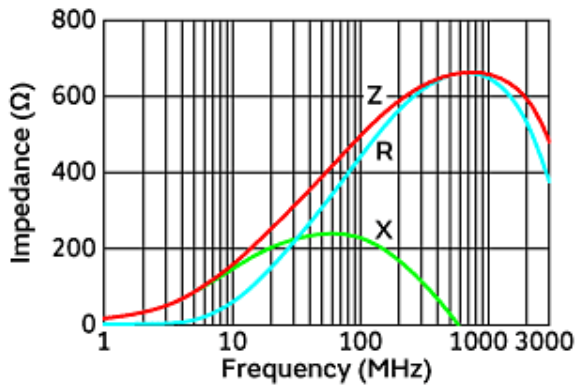
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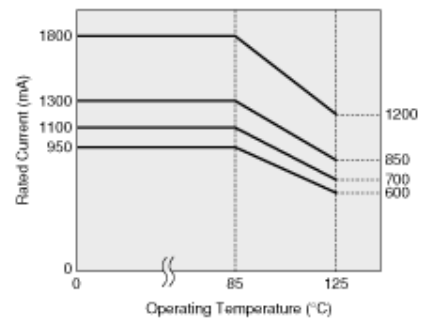
Product Data



Impedance-Frequency Characteristics

In operating temperature exceeding +85°C, derating of current is necessary for BLM15EX 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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