

BLM15KD121SN1#

“#” indicates a package specification code.

In Production

RoHS

REACH

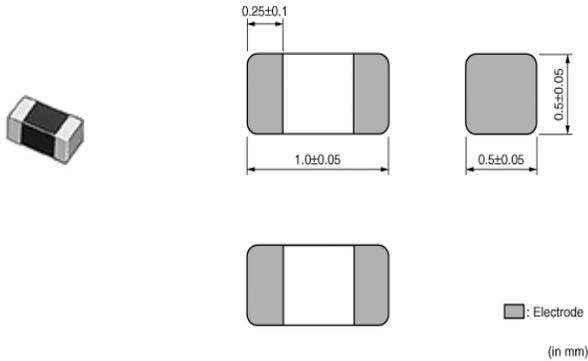
< List of part numbers with package codes >

BLM15KD121SN1J

BLM15KD121SN1B

BLM15KD121SN1D

Appearance & Shape



Packaging Information

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

Applications

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

Features

- 1.The chip ferrite beads BLM series is designed to function nearly as a resistor at noise frequencies, which greatly reduces the possibility of resonance and leaves signal wave forms undistorted. BLM series is effective in circuits without stable ground lines because BLM series does not need a connection to ground.
- 2.The nickel barrier structure of the external electrodes provides excellent solder heat resistance.
- 3.BLM15 maximum rated current 3.8A. It is effective in noise reduction at the communication frequency of 700MHz.

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.

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Specifications

| | |
|---------------------------------|----------------|
| Shape | SMD |
| 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 |
| Operating Temperature Range | -55°C to 125°C |
| Mass(typ.) | 0.001g |
| Number of Circuit | 1 |
| Rated Current (at 85°C) | 1.5A |
| Rated Current (at 125°C) | 930mA |
| DC Resistance(max.) | 0.07Ω |
| Impedance (at 100MHz) | 120Ω |
| Impedance (at 100MHz) Tolerance | ±25% |
| Size Code (in mm) | 1005 |

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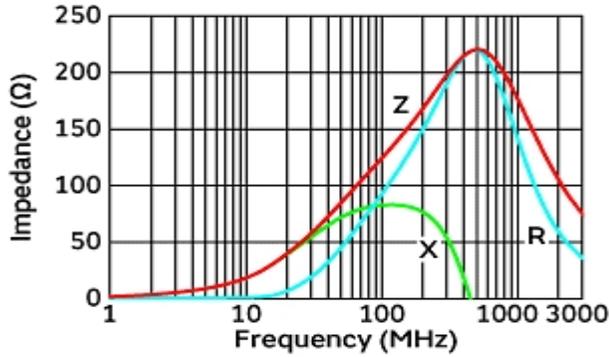
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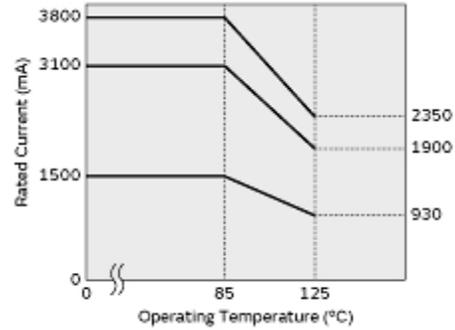
Product Data



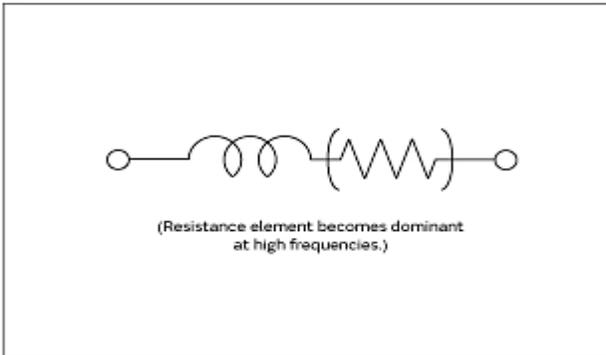
Impedance-Frequency Characteristics

In operating temperature exceeding +85°C, derating of current is necessary for BLM15KD_SN1 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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