

# BLM18GG471SN1#

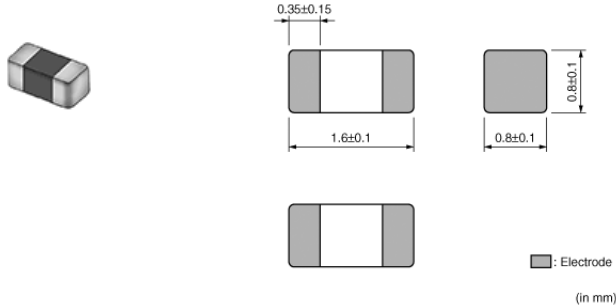
“#” indicates a package specification code.



< List of part numbers with package codes >

BLM18GG471SN1J BLM18GG471SN1D BLM18GG471SN1B

## Appearance & Shape



## Features

Chip ferrite beads for high frequency noise suppression over a wide frequency range.

### Features

1. High impedance characteristic in 1GHz or higher frequency
2. High impedance characteristic over a wide frequency band range of 100MHz to 6GHz
3. Small decrease in impedance during current loading, resulting in small impedance fluctuation during equipment operation.
4. Reflow soldering only

### Applications

1. Noise suppression for PCs with high-speed CPU and high-speed bus, and for interface lines of peripheral equipment.
2. High harmonic noise suppression for digital equipment with several hundred MHz or higher clock speeds.
3. Prevention of erroneous operation caused by local oscillation signals in mobile phone and W-LAN module (ensuring self-immunity).
4. Bias Tee modules in optical transceivers

## Applications

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

## Packaging Information

| Packaging | Specifications   | Minimum Order Quantity |
|-----------|------------------|------------------------|
| J         | 330mm Paper Tape | 10000                  |
| D         | 180mm Paper Tape | 4000                   |
| 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.)        | 0.004g |
| Size Code (in mm)               | 1608           | Number of Circuit | 1      |
| Size Code (in inch)             | 0603           |                   |        |
| Length                          | 1.6mm          |                   |        |
| Length Tolerance                | ±0.1mm         |                   |        |
| Width                           | 0.8mm          |                   |        |
| Width Tolerance                 | ±0.1mm         |                   |        |
| Thickness                       | 0.8mm          |                   |        |
| Thickness Tolerance             | ±0.1mm         |                   |        |
| Impedance (at 100MHz)           | 470Ω           |                   |        |
| Impedance (at 100MHz) Tolerance | ±25%           |                   |        |
| Impedance (at 1GHz)             | 1800Ω          |                   |        |
| Impedance (at 1GHz) Tolerance   | ±30%           |                   |        |
| Rated Current (at 85°C)         | 200mA          |                   |        |
| Rated Current (at 125°C)        | 200mA          |                   |        |
| DC Resistance(max.)             | 1.3Ω           |                   |        |
| Operating Temperature Range     | -55°C to 125°C |                   |        |

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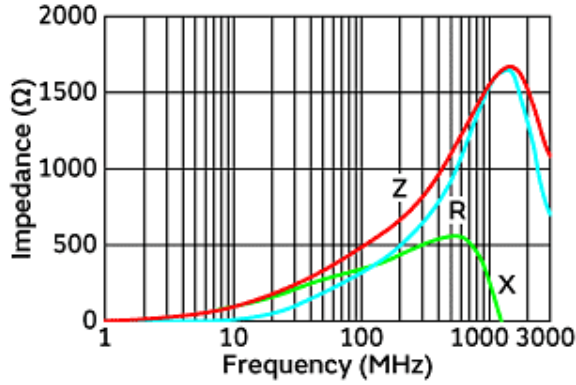
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## Product Data



Impedance-Frequency Characteristics



Equivalent Circuit

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