

# BLM15GG221SN1#

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

In Production

RoHS

REACH

## < List of part numbers with package codes >

BLM15GG221SN1B

BLM15GG221SN1D

BLM15GG221SN1J

## Applications

|                          |  |
|--------------------------|--|
| Unsuitable Applications  | Please be sure to read and comply with these "Precautions for use."  |
| Specific Applications    | <p>Consumer equipment, Medical equipment [GHTF A/B/C] except for implant &amp; surgery &amp; auto injector, Industrial equipment except for transportation &amp; facility &amp; energy equipment</p> <p>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.</p> |
| Recommended Applications | Consumer equipment   |

## Packaging Information

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

## 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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## 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

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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)         | 300mA          |
| Rated Current (at 125°C)        | 300mA          |
| DC Resistance(max.)             | 0.7Ω           |
| Impedance (at 100MHz)           | 220Ω           |
| Impedance (at 100MHz) Tolerance | ±25%           |
| Impedance (at 1GHz)             | 600Ω           |
| Impedance (at 1GHz) Tolerance   | ±40%           |
| Size Code (in mm)               | 1005           |

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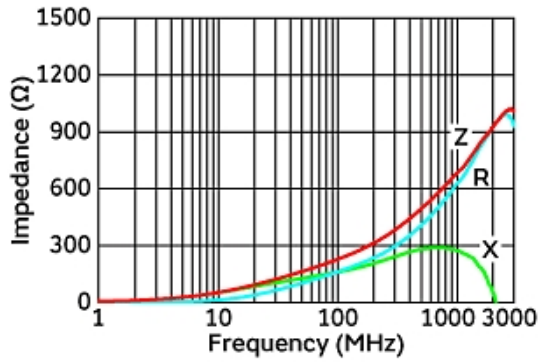
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## Product Data



Impedance-Frequency Characteristics



Equivalent Circuit

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