

# BLA31BD102SN4#

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

In Production

RoHS

REACH

## < List of part numbers with package codes >

BLA31BD102SN4B

BLA31BD102SN4D

BLA31BD102SN4J

## Applications

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

## Packaging Information

Packaging	Specifications	Standard Packing Quantity
B	Bulk(Bag)	1000
D	180mm Paper Tape	4000
J	330mm Paper Tape	10000

## Appearance & Shape



### 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.

# BLA31BD102SN4#

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



## Features

The miniaturize of electronic equipment requires high performance EMI filters which enables high density mounting. BLA31A/B series consists of 4 circuit of ferrite bead inductor. BLA31A/B is suitable for EMI suppression in smaller digital equipment.

### ★FEATURES

1. BLA31A/B have 4 circuits in 3.2×1.6mm body with 0.8mm pitch.
2. Provides attenuation across a broad frequency range. Two types of impedance are available which meets general signal line and high speed signal line.
3. Original inner electrode structure enables extra low crosstalk.
4. The nickel barrier structure of the external electrodes provides excellent solder heat resistance. Both flow and reflow soldering methods can employed.

### 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.

# BLA31BD102SN4#

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



## Specifications

Shape	SMD
Size Code (in inch)	1206
Length	3.2mm
Length Tolerance	±0.2mm
Width	1.6mm
Width Tolerance	±0.2mm
Thickness	0.8mm
Thickness Tolerance	±0.2mm
Operating Temperature Range	-55°C to 125°C
Mass(typ.)	0.018g
Number of Circuit	4
Rated Current (at 85°C)	50mA
Rated Current (at 125°C)	50mA
DC Resistance(max.)	0.55Ω
Impedance (at 100MHz)	1000Ω
Impedance (at 100MHz) Tolerance	±25%
Size Code (in mm)	3216

### 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.

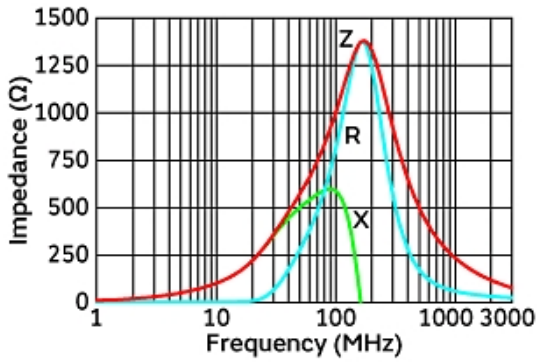
2.This datasheet has only typical specifications because there is no space for detailed specifications.

Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

# BLA31BD102SN4#

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

## Product Data



Impedance-Frequency Characteristics



Equivalent Circuit

### 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.