

Note: This datasheet may be out of date. Please download the latest datasheet of BLA31BD221SN4# from the official website of Murata Manufacturing Co., Ltd.

"#"at the end indicates the package specification code.

http://www.murata.com/en/products/productdetail?partno=BLA31BD221SN4%23

# BLA31BD221SN4#

In Production RoHS RI

OHS REACH

< List of part numbers with package codes > BLA31BD221SN4B BLA31BD221SN4D BLA31BD221SN4J

Applications

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

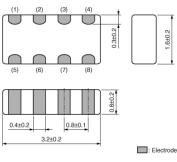


## Packaging Information

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

# Appearance & Shape





(in mm)

1 of 4

#### 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.





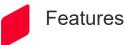


BLA31BD221SN4#

Note: This datasheet may be out of date. Please download the latest datasheet of BLA31BD221SN4# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=BLA31BD221SN4%23

"#"at the end indicates the package specification code.



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.

2 of 4

#### 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





# BLA31BD221SN4#

Note: This datasheet may be out of date. Please download the latest datasheet of BLA31BD221SN4# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=BLA31BD221SN4%23

### "#"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)	150mA
Rated Current (at 125°C)	150mA
DC Resistance(max.)	0.35Ω
Impedance (at 100MHz)	220Ω
Impedance (at 100MHz) Tolerance	±25%
Size Code (in mm)	3216

3 of 4

#### 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.

Product Search Data Sheet



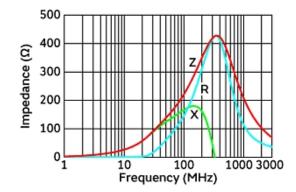
BLA31BD221SN4#

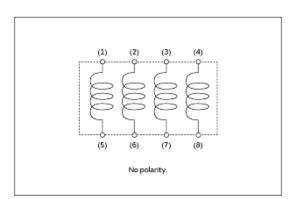
Note: This datasheet may be out of date. Please download the latest datasheet of BLA31BD221SN4# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=BLA31BD221SN4%23

"#"at the end indicates the package specification code.







#### Impedance-Frequency Characteristics

**Equivalent Circuit** 

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.

4 of 4