

BLM31SN500SH1#

Note: This datasheet may be out of date.

Please download the latest datasheet of BLM31SN500SH1# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=BLM31SN500SH1%23

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









< List of part numbers with package codes > BLM31SN500SH1B BLM31SN500SH1L



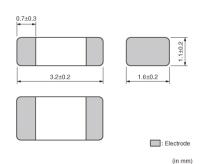
Applications

Unsuitable	Please be sure to read and comply with		
Applications	these "Precautions for use."		
	Automotive powertrain/safety equipment,		
	Automotive infotainment/comfort		
	equipment,Consumer equipment,		
	Medical equipment [GHTF A/B/C]		
	except for implant & surgery & auto		
	injector,Industrial 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	Automotive powertrain/safety equipment		
Applications			



Appearance & Shape





Packaging Information

		Standard
Packaging	Specifications	Packing
		Quantity
В	Bulk(Bag)	1000
L	180mm Embossed Tape	3000



Features

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.

The nickel barrier structure of the external electrodes provides excellent solder heat resistance. BLM31SN series can be used in high current circuits due to its low DC resistance.

It can match power lines to a maximum of 12ADC.

1 of 3

Attentior

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





BLM31SN500SH1#

Note: This datasheet may be out of date.

Please download the latest datasheet of BLM31SN500SH1# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=BLM31SN500SH1%2

"#"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	1.1mm
Thickness Tolerance	±0.2mm
Operating Temperature Range	-55°C to 125°C
Mass(typ.)	0.025g
Number of Circuit	1
Rated Current (at 85°C)	12A
Rated Current (at 125°C)	10A
DC Resistance(max.)	0.0016Ω
Impedance (at 100MHz)	50Ω
Impedance (at 100MHz) Tolerance	±25%
Size Code (in mm)	3216

2 of 3

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.



BLM31SN500SH1#

Note: This datasheet may be out of date.

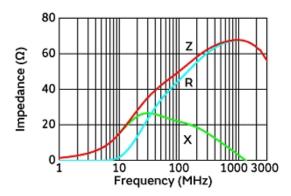
Please download the latest datasheet of BLM31SN500SH1# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=BLM31SN500SH1%23

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

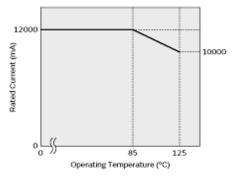


Product Data



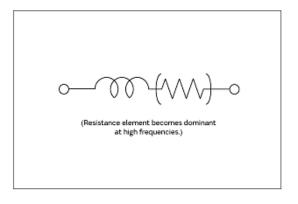
In operating temperature exceeding +85°C, derating of current is necessary for BLM31SN series. Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Impedance-Frequency Characteristics





Derating of Rated Current

Equivalent Circuit

3 of 3

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.

