

BLM18SP300SN1#

Note: This datasheet may be out of date. Please download the latest datasheet of BLM18SP300SN1# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=BLM18SP300SN1%23

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

In Production RoHS REACH

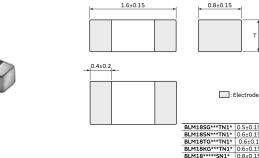
< List of part numbers with package codes > BLM18SP300SN1B BLM18SP300SN1D



Applications

Please be sure to read and comply with
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
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.
Canauman anuinmant
Consumer equipment

# Appearance & Shape







## **Packaging Information**

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



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. BLM18SP series can be used in high current circuits due to its low DC resistance. It can match power lines to a maximum of 6ADC.

1 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





BLM18SP300SN1#

Note: This datasheet may be out of date. Please download the latest datasheet of BLM18SP300SN1# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=BLM18SP300SN1%23

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



## Specifications

Shape	SMD
Size Code (in inch)	0603
Length	1.6mm
Length Tolerance	±0.15mm
Width	0.8mm
Width Tolerance	±0.15mm
Thickness	0.8mm
Thickness Tolerance	±0.15mm
Operating Temperature Range	-55°C to 125°C
Mass(typ.)	0.005g
Number of Circuit	1
Rated Current (at 85°C)	6000mA
Rated Current (at 125°C)	4000mA
DC Resistance(max.)	0.008Ω
Impedance (at 100MHz)	30Ω
Impedance (at 100MHz) Tolerance	±10Ω
Size Code (in mm)	1608

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.





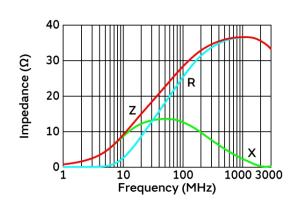
BLM18SP300SN1#

Note: This datasheet may be out of date. Please download the latest datasheet of BLM18SP300SN1# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=BLM18SP300SN1%23

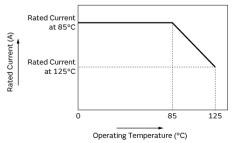
### "#"at the end indicates the package specification code.





In operating temperature exceeding +85°C, derating of current is necessary for this 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

(Resistance element becomes dominant at high frequencies.)

**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.

