

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Note: This datasheet may be out of date.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

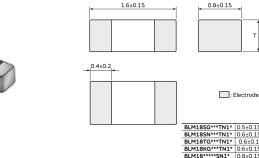
< List of part numbers with package codes > BLM18SP300SN1B BLM18SP300SN1D



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.

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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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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 |

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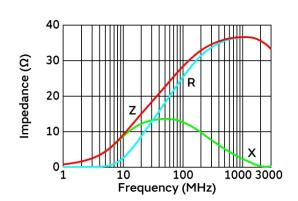
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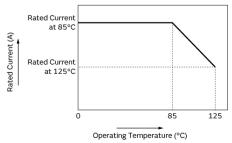
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In operating temperature exceeding +85°C, derating of current is necessary for this series. Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Impedance-Frequency Characteristics

Derating of Rated Current

(Resistance element becomes dominant at high frequencies.)

Equivalent Circuit

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