

Note: This datasheet may be out of date.

Please download the latest datasheet of BLM18DN151SN1# from the official website of Murata Manufacturing Co., Ltd.

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







< List of part numbers with package codes >

BLM18DN151SN1B

BLM18DN151SN1D

BLM18DN151SN1J



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	Consumer equipment
Applications	Consumer equipment



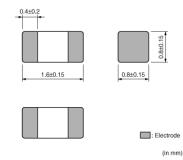
Packaging Information

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



Appearance & Shape





1 of 4

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Features

Chip ferrite beads for high frequency noise suppression over a wide frequency range.

Features

- High impedance characteristic in 1GHz or higher frequency
- 2. High impedance characteristic over a wide frequency band range of 100MHz to 6GHz
- 3. Low DC Resistance enables large Rated Current

Applications

- Noise suppression for PCs with high-speed CPU and high-speed bus, and for interface lines of peripheral equipment.
- 2. High harmonic noise suppression for digital equipment with several hundred MHz or higher clock speeds.
- 3. Prevention of erroneous operation caused by local oscillation signals in mobile phone and W-LAN module (ensuring self-immunity).
- 4. Bias Tee modules in optical transceivers

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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.)	0.004g
Number of Circuit	1
Rated Current (at 85°C)	1.4A
Rated Current (at 125°C)	900mA
DC Resistance(max.)	0.12Ω
Impedance (at 100MHz)	150Ω
Impedance (at 100MHz) Tolerance	±25%
Impedance (at 1GHz)	400Ω
Impedance (at 1GHz) Tolerance	±30%
Size Code (in mm)	1608

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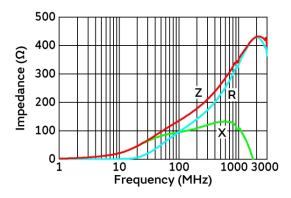
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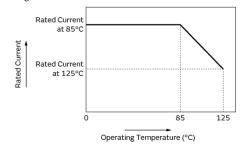




In operating temperature exceeding +85°C, derating of current is necessary for this series.

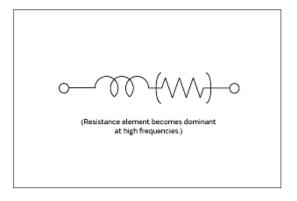
Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Impedance-Frequency Characteristics

Derating of Rated Current



Equivalent Circuit

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