

BLM15KD300SN1#

Note: This datasheet may be out of date. Please download the latest datasheet of BLM15KD300SN1# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=BLM15KD300SN1%23

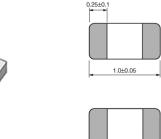
"#" indicates a package specification code.

In Production RoHS REACH

< List of part numbers with package codes > BLM15KD300SN1B BLM15KD300SN1D BLM15KD300SN1J



Appearance & Shape





(in mm)

Applications

Other Usage

For general



Packaging Information

Packaging	Specifications	Standard Packing Quantity
В	Bulk(Bag)	1000
D	180mm Paper Tape	10000
J	330mm Paper Tape	50000



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.
- 2. The nickel barrier structure of the external electrodes provides excellent solder heat resistance.
- 3.BLM15 maximum rated current 3.8A.

It is effective in noise reduction at the communication frequency of 700MHz.

1 of 3

Attention

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- without advance notice. Please check with our sales representatives or product engineers before ordering.
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Specifications

Shape	SMD
Size Code (in inch)	0402
Length	1.0mm
Length Tolerance	±0.05mm
Width	0.5mm
Width Tolerance	±0.05mm
Thickness	0.5mm
Thickness Tolerance	±0.05mm
Operating Temperature Range	-55°C to 125°C
Mass(typ.)	0.001g
Number of Circuit	1
Rated Current (at 85°C)	3.1A
Rated Current (at 125°C)	1.9A
DC Resistance(max.)	0.017Ω
Impedance (at 100MHz)	30Ω
Impedance (at 100MHz) Tolerance	±25%
Size Code (in mm)	1005

2 of 3

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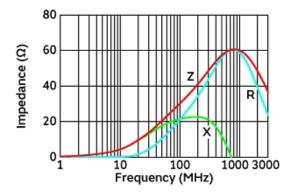
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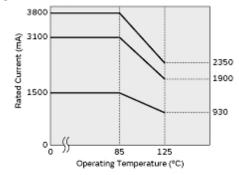
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In operating temperature exceeding +85°C, derating of current is necessary for BLM15KD_SN1 series. Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Derating of Rated Current

(Resistance element becomes dominant at high frequencies.)

Impedance-Frequency Characteristics

Equivalent Circuit

3 of 3

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