

BLM18DN221SH1#

“#” indicates a package specification code.

In Production

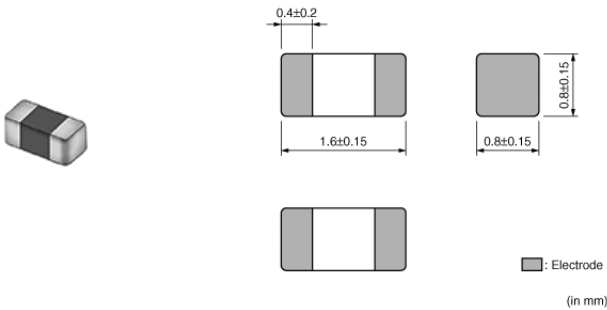
AEC-Q200

RoHS

REACH

< List of part numbers with package codes >
BLM18DN221SH1D BLM18DN221SH1J BLM18DN221SH1B

Appearance & Shape



Packaging Information

Packaging	Specifications	Minimum Order Quantity
D	180mm Paper Tape	4000
J	330mm Paper Tape	10000
B	Bulk(Bag)	1000

Applications

Automotive Usage Powertrain/Safety

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.

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Features

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

Features

1. 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

1. Noise suppression for Automotive LED Lighting.

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Specifications

Shape	SMD
Size Code (in mm)	1608
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
Impedance (at 100MHz)	220Ω
Impedance (at 100MHz) Tolerance	±25%
Impedance (at 1GHz)	650Ω
Impedance (at 1GHz) Tolerance	±30%
Rated Current (at 85°C)	1A
Rated Current (at 125°C)	650mA
DC Resistance(max.)	0.21Ω
Operating Temperature Range	-55°C to 125°C
Mass(typ.)	0.004g
Number of Circuit	1

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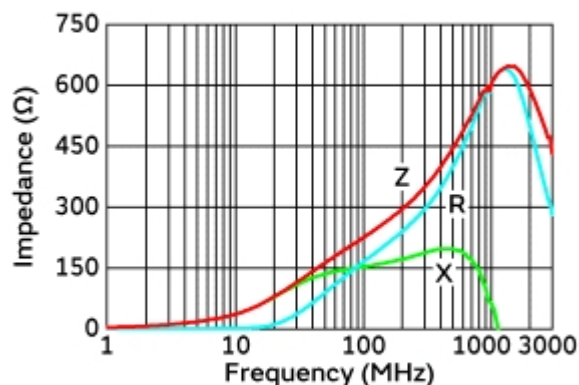
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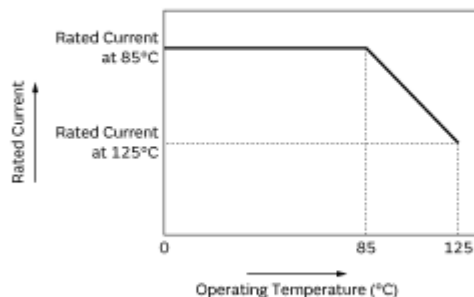
Product Data



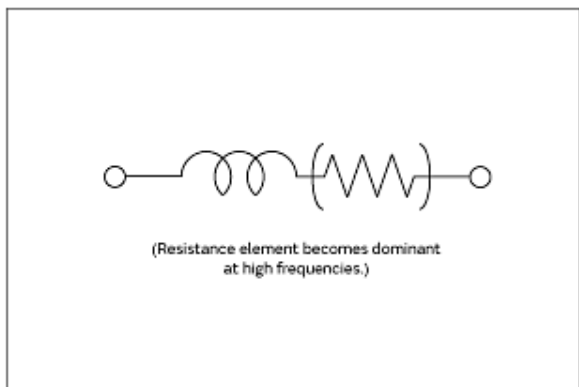
Impedance-Frequency Characteristics

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



Derating of Rated Current



Equivalent Circuit

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