

BLM18BD182BH1#

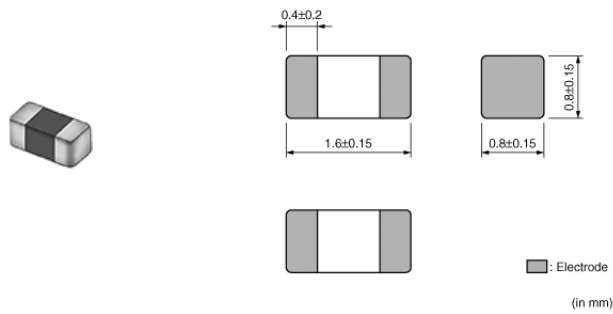
“#” indicates a package specification code.



< List of part numbers with package codes >

BLM18BD182BH1D BLM18BD182BH1B

Appearance & Shape



Packaging Information

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

Applications

Automotive Usage	Powertrain/Safety
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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

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. Also it can be used up to 150 °C.

BLM_BD series can minimize attenuation of the signal waveform due to its sharp impedance characteristics. Various impedances are available to match signal frequency.

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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)	1800Ω
Impedance (at 100MHz) Tolerance	±25%
Rated Current (at 85°C)	150mA
Rated Current (at 125°C)	150mA
Rated Current (at 150°C)	10mA
DC Resistance(max.)	1.5Ω
Operating Temperature Range	-55°C to 150°C
Mass(typ.)	0.005g
Number of Circuit	1

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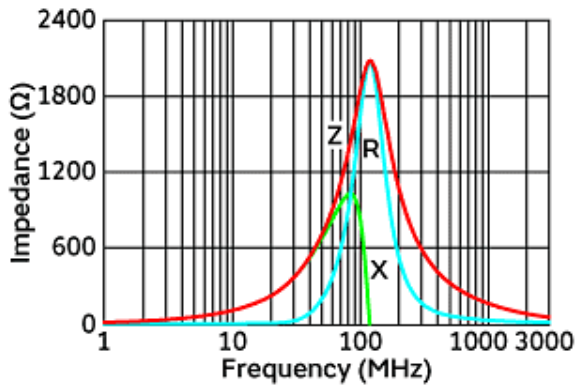
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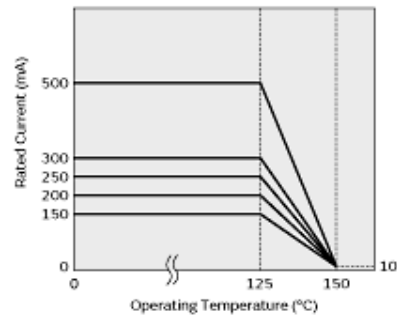
Product Data



Impedance-Frequency Characteristics

In operating temperature exceeding +125°C, derating of current is necessary for BLM18BD_BH1 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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