

BLM15VM150BH1#

“#” at the end indicates the package specification code.



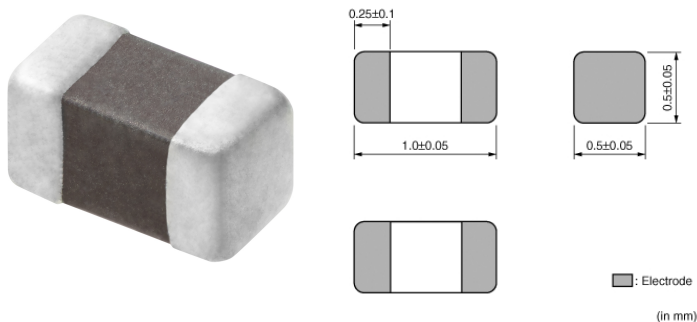
< List of part numbers with package codes >

BLM15VM150BH1D

Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	Automotive powertrain/safety equipment, Automotive infotainment/comfort equipment, Medical equipment [GHF A/B/C] except for implant & surgery & auto injector 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.
Recommended Applications	Automotive powertrain/safety equipment

Appearance & Shape



Packaging Information

Packaging	Specifications	Standard Packing Quantity
D	180mm Paper Tape	10000

Features

High-GHz ferrite beads ideal for high frequency noise suppression.

■Features

1. The stray capacitance is small due to the use of a horizontal internal coil structure.
The impedance is high in the high frequency range around 6 GHz.
It can be used for immunity measures such as C-V2X and DSRC.
2. Low DC resistance and large rated current.
3. The nickel barrier structure of the external electrodes provides excellent solder heat resistance.
Also it can be used up to 150 °C.

Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its 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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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 150°C
Mass(typ.)	0.001g
Number of Circuit	1
Rated Current (at 85°C)	900mA
Rated Current (at 125°C)	700mA
Rated Current (at 150°C)	10mA
DC Resistance(max.)	0.245Ω
Impedance (at 100MHz)	15Ω
Impedance (at 100MHz) Tolerance	±5Ω
Impedance (at 5.9GHz)	1000Ω
Impedance (at 5.9GHz) Tolerance	(Typ.)
Size Code (in mm)	1005

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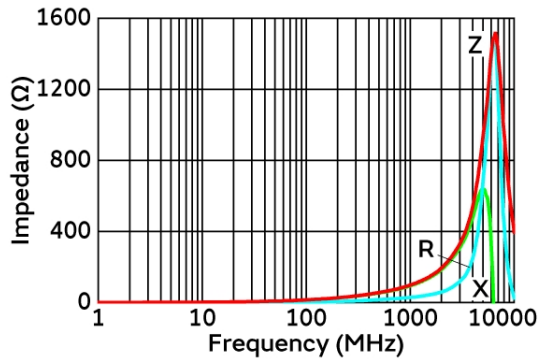
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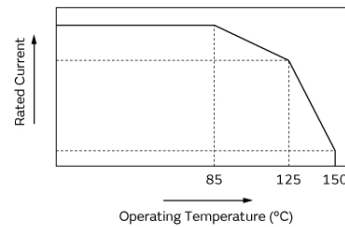
Product Data



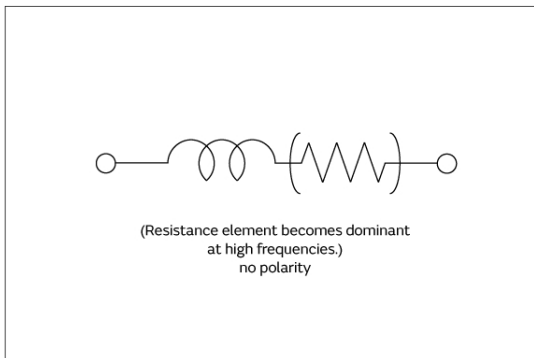
Impedance-Frequency Characteristics

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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