Note: This datasheet may be out of date.
Please download the latest datasheet of BLM18KN331EH1# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=BLM18KN331EH1%23

BLM18KN331EH1#

"#" indicates a package specification code.

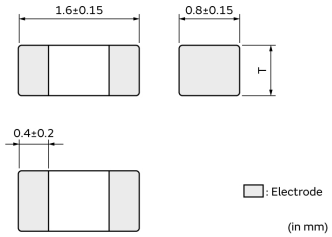
In Production | AEC-Q200 | RoHS | REACH

< List of part numbers with package codes >

BLM18KN331EH1B BLM18KN331EH1D BLM18KN331EH1J

Appearance & Shape





Part Number	T (mm)
BLM18KN260/300/700/101/121	0.6±0.15
BLM18KN221/331/471/601/102	0.8±0.15

Packaging Information

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

Applications

Automotive Usage	Powertrain/Safety

Attention
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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

1.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.
Also it can be used up to 175 °C.
3.BLM_K series can be used in high current circuits due to its low DC resistance. It can match power lines to a maximum of 4ADC.

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BLM18KN331EH1#

"#" indicates a package specification code.

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℃ to 175℃
Mass(typ.)	0.005g
Number of Circuit	1
Rated Current (at 125℃)	1.1A
Rated Current (at 150℃)	790mA
Rated Current (at 175℃)	10mA
DC Resistance(max.)	0.08Ω
Impedance (at 100MHz)	330Ω
Impedance (at 100MHz) Tolerance	±25%
Size Code (in mm)	1608

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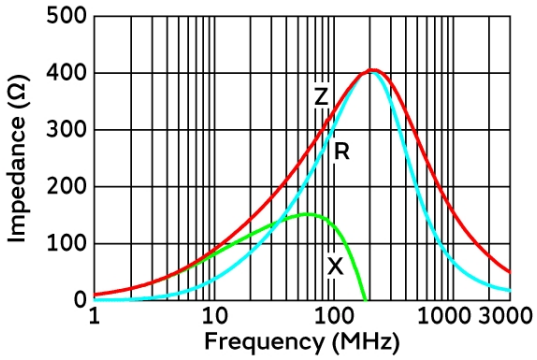
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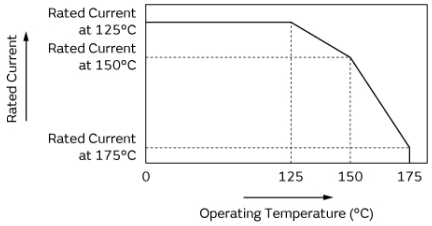
Product Data



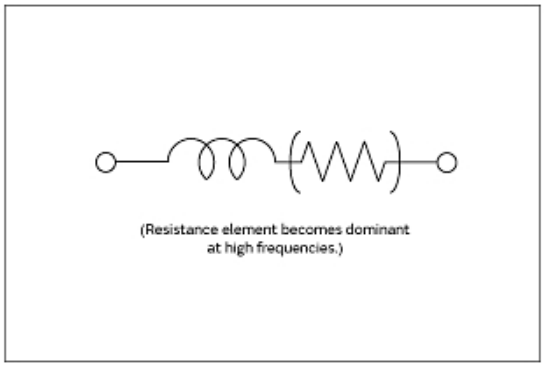
Impedance-Frequency Characteristics

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