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Please download the latest datasheet of BLM18KN101EH1# from the official website of Murata

"#"at the end indicates the package specification code.









< List of part numbers with package codes >

BLM18KN101EH1B

BLM18KN101EH1D

BLM18KN101EH1J



Applications

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



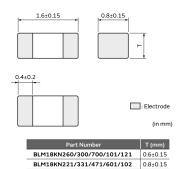
Packaging Information

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



Appearance & Shape





1 of 4

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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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Specifications

Shape	SMD
Size Code (in inch)	0603
Length	1.6mm
Length Tolerance	±0.15mm
Width	0.8mm
Width Tolerance	±0.15mm
Thickness	0.6mm
Thickness Tolerance	±0.15mm
Operating Temperature Range	-55°C to 175°C
Mass(typ.)	0.004g
Number of Circuit	1
Rated Current (at 125°C)	1900mA
Rated Current (at 150°C)	1200mA
Rated Current (at 175°C)	10mA
DC Resistance(max.)	0.03Ω
Impedance (at 100MHz)	100Ω
Impedance (at 100MHz) Tolerance	±25%
Size Code (in mm)	1608

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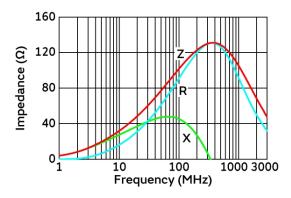
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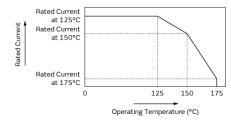




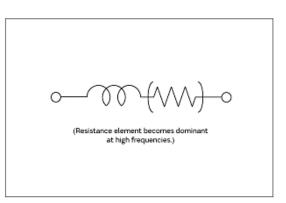
In operating temperature exceeding +125 °C, derating of current is necessary for this series.

Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Impedance-Frequency Characteristics



Derating of Rated Current

Equivalent Circuit

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