

BLM18AG102BH1#

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Please download the latest datasheet of BLM18AG102BH1# from the official website of Murata

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

http://www.murata.com/en-us/products/productdetail?partno=BLM18AG102BH1%23









< List of part numbers with package codes > BLM18AG102BH1B BLM18AG102BH1D



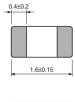
Applications

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	Automotive powertrain/safety equipment	
Applications		



Appearance & Shape











17

Packaging Information

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



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_AG series generates an impedance from the relatively low frequencies. Therefore BLM_AG series is effective in noise suppression in a wide frequency range (30MHz to several hundred MHz).

1 of 3

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2. This datasheet has only typical specifications because there is no space for detailed specifications.

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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	0.8mm
Thickness Tolerance	±0.15mm
Operating Temperature Range	-55°C to 150°C
Mass(typ.)	0.005g
Number of Circuit	1
Rated Current (at 125°C)	450mA
Rated Current (at 150°C)	10mA
DC Resistance(max.)	0.5Ω
Impedance (at 100MHz)	1000Ω
Impedance (at 100MHz) Tolerance	±25%
Size Code (in mm)	1608

2 of 3

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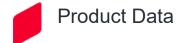
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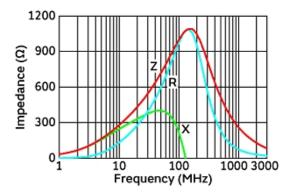
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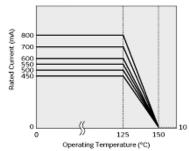
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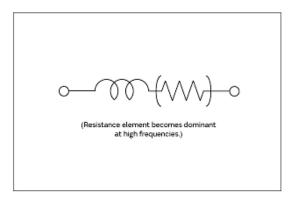
In operating temperature exceeding $+125^{\circ}$ C, derating of current is necessary for BLM18AG_BH1 series. Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Impedance-Frequency Characteristics

Derating of Rated Current



Equivalent Circuit

3 of 3

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