

Product Search Data Sheet

Note: This datasheet may be out of date. Please download the latest datasheet of BLM31PG330SH1# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=BLM31PG330SH1%23

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

In Production AEC-Q200 RoHS REACH

BLM31PG330SH1#

< List of part numbers with package codes > BLM31PG330SH1B BLM31PG330SH1K BL

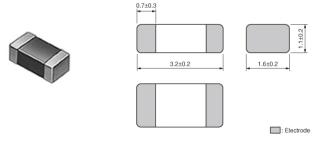
BLM31PG330SH1L



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



(in mm)



Packaging Information

Packaging	Specifications	Standard Packing Quantity
В	Bulk(Bag)	1000
К	330mm Embossed Tape	10000
L	180mm Embossed Tape	3000



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. BLM_P series can be used in high current circuits due to its low DC resistance.

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Attention

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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.

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Specifications

Shape	SMD
Size Code (in inch)	1206
Length	3.2mm
Length Tolerance	±0.2mm
Width	1.6mm
Width Tolerance	±0.2mm
Thickness	1.1mm
Thickness Tolerance	±0.2mm
Operating Temperature Range	-55°C to 125°C
Mass(typ.)	0.025g
Number of Circuit	1
Rated Current (at 85°C)	6A
Rated Current (at 125°C)	3.5A
DC Resistance(max.)	0.009Ω
Impedance (at 100MHz)	33Ω
Impedance (at 100MHz) Tolerance	±25%
Size Code (in mm)	3216

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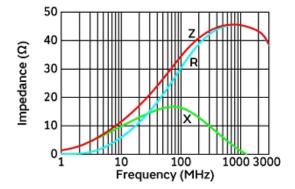
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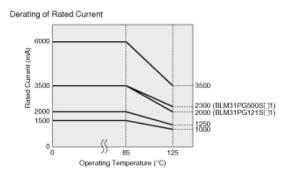
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In operating temperature exceeding +85°C, derating of current is necessary for BLM31PG series. Please apply the derating curve shown in chart according to the operating temperature.



Impedance-Frequency Characteristics

Derating of Rated Current

(Resistance element becomes dominant at high frequencies.)

Equivalent Circuit

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