

BLM31PG601SH1#

Note: This datasheet may be out of date.

Please download the latest datasheet of BLM31PG601SH1# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-gb/products/productdetail?partno=BLM31PG601SH1%23

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









< List of part numbers with package codes >

BLM31PG601SH1B

BLM31PG601SH1K

BLM31PG601SH1L



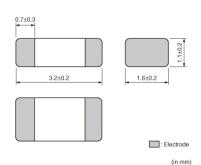
Applications

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	Automotivo nowartrain/aafaty aguinment		
Applications	Automotive powertrain/safety equipment		



Appearance & Shape







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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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)	1.5A
Rated Current (at 125°C)	1A
DC Resistance(max.)	0.08Ω
Impedance (at 100MHz)	600Ω
Impedance (at 100MHz) Tolerance	±25%
Size Code (in mm)	3216

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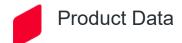
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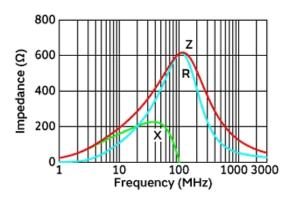
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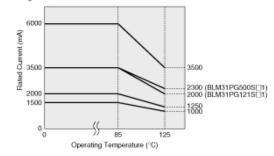
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In operating temperature exceeding +85°C, derating of current is necessary for BLM31PG series. Please apply the derating curve shown in chart according to the operating temperature.

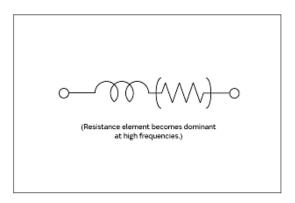
Derating of Rated Current



Impedance-Frequency Characteristics



Derating of Rated Current



Equivalent Circuit

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