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

BLM31PG121SN1#







< List of part numbers with package codes >

BLM31PG121SN1B

BLM31PG121SN1K

BLM31PG121SN1L



Applications

Unsuitable	Please be sure to read and comply with	
Applications	these "Precautions for use."	
	Consumer equipment,Medical	
	equipment [GHTF A/B/C] except for	
	implant & surgery & auto injector,	
	Industrial equipment except for	
	transportation & facility & energy	
	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	0	
Applications	Consumer equipment	



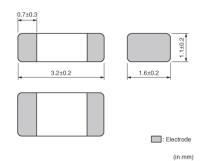
Packaging Information

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



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.
 3.BLM_P series can be used in high current circuits due to its low DC resistance. It can match power lines to a maximum of 6ADC.

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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)	3500mA
Rated Current (at 125°C)	2000mA
DC Resistance(max.)	0.02Ω
Impedance (at 100MHz)	120Ω
Impedance (at 100MHz) Tolerance	±25%
Size Code (in mm)	3216

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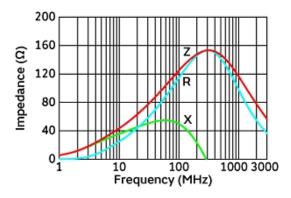
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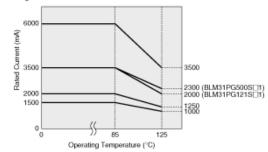
Product Data

BLM31PG121SN1#

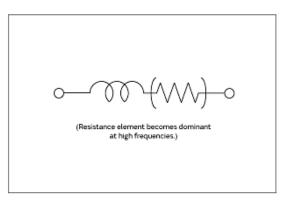


In operating temperature exceeding +85°C, derating of current is necessary for BLM31PG series. Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Impedance-Frequency Characteristics



Derating of Rated Current

Equivalent Circuit

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