Note: This datasheet may be out of date.

Please download the latest datasheet of BLM18PG330SN1# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=BLM18PG330SN1%23

"#" indicates a package specification code.

# BLM18PG330SN1#







< List of part numbers with package codes >

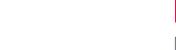
BLM18PG330SN1B

BLM18PG330SN1D

BLM18PG330SN1J

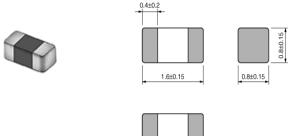


### Appearance & Shape





## Packaging Information



: Electrode (in mm)

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



### **Applications**

Other Usage	For general
-------------	-------------

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.



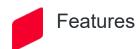
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- 1.The chip ferrite beads BLM series is designed to function nearly as a resistor at noise frequencies, which greatly reduces the possibility of resonance and leaves signal wave forms undistorted.
  BLM series is effective in circuits without stable 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 3ADC.

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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 125°C
Mass(typ.)	0.005g
Number of Circuit	1
Rated Current (at 85°C)	3A
Rated Current (at 125°C)	1A
DC Resistance(max.)	0.025Ω
Impedance (at 100MHz)	33Ω
Impedance (at 100MHz) Tolerance	±25%
Size Code (in mm)	1608

3 of 4

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# BLM18PG330SN1#

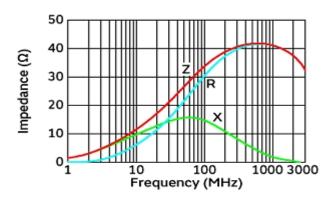
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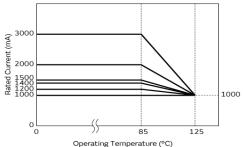
"#" indicates a package specification code.



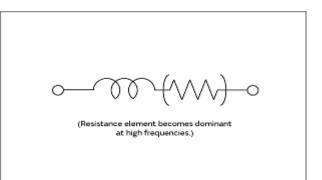


In operating temperature exceeding +85°C, derating of current is necessary for BLM18PG series. Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Impedance-Frequency Characteristics



**Derating of Rated Current** 

**Equivalent Circuit** 

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