

Note: This datasheet may be out of date.

Please download the latest datasheet of BLM18PG181SZ1# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=BLM18PG181SZ1%23

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









< List of part numbers with package codes >

BLM18PG181SZ1B

BLM18PG181SZ1D

BLM18PG181SZ1J



### **Applications**

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



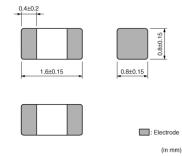
### **Packaging Information**

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



### Appearance & Shape





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 $2. This \ data{sheet has only typical specifications because there is no \ space for \ detailed \ specifications.}$ 

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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 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)	1500mA
Rated Current (at 125°C)	1000mA
DC Resistance(max.)	0.09Ω
Impedance (at 100MHz)	180Ω
Impedance (at 100MHz) Tolerance	±25%
Size Code (in mm)	1608

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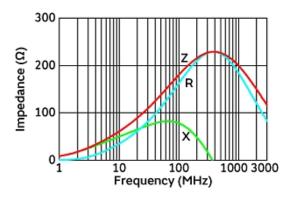
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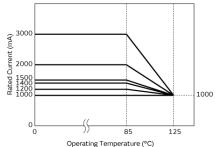
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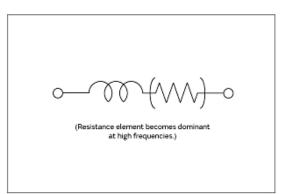


In operating temperature exceeding +85°C, derating of current is necessary for BLM18PG series.
Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Impedance-Frequency Characteristics



**Derating of Rated Current** 

**Equivalent Circuit** 

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