

# BLM18SG700TZ1#

Note: This datasheet may be out of date.

Please download the latest datasheet of BLM18SG700TZ1# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-sg/products/productdetail?partno=BLM18SG700TZ1%23

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









< List of part numbers with package codes >

BLM18SG700TZ1B

BLM18SG700TZ1D

BLM18SG700TZ1J



## **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	10000
J	330mm Paper Tape	30000



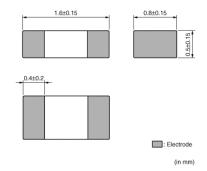
### **Features**

- 1. Low DC Resistance/Large Rated Current.
- BLM18S series can be used in high current circuits due to its low DC resistance.
  - It can match power lines to a maximum of 6ADC.
- Ni+Sn plating structure of the external electrodes provides excellent solder heat resistance.



# Appearance & Shape





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#### Attention

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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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# **Specifications**

Shape	SMD
Size Code (in inch)	0603
Length	1.6mm
Length Tolerance	±0.15mm
Width	0.8mm
Width Tolerance	±0.15mm
Thickness	0.5mm
Thickness Tolerance	±0.15mm
Operating Temperature Range	-55°C to 125°C
Mass(typ.)	0.004g
Number of Circuit	1
Rated Current (at 85°C)	4000mA
Rated Current (at 125°C)	1000mA
DC Resistance(max.)	0.02Ω
Impedance (at 100MHz)	70Ω
Impedance (at 100MHz) Tolerance	±25%
Size Code (in mm)	1608

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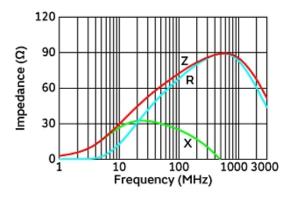
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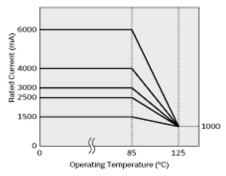


### **Product Data**



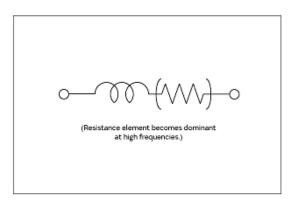
In operating temperature exceeding +85°C, derating of current is necessary for BLM18SG\_T $\square$ 1 series. Please apply the derating curve shown in chart according to the operating temperature.

#### Derating of Rated Current



Impedance-Frequency Characteristics





**Equivalent Circuit** 

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