

# BLM18DN601SZ1#

Note: This datasheet may be out of date.

Please download the latest datasheet of BLM18DN601SZ1# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=BLM18DN601SZ1%23

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









< List of part numbers with package codes >

BLM18DN601SZ1B

BLM18DN601SZ1D

BLM18DN601SZ1J



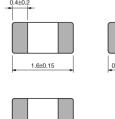
## **Applications**

Unsuitable	Please be sure to read and comply with	
	these "Precautions for use."	
Applications		
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	



## Appearance & Shape









: Electrode (in mm)



## Packaging Information

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



### **Features**

Chip ferrite beads for high frequency noise suppression over a wide frequency range.

### Features

- 1. High impedance characteristic in 1GHz or higher frequency
- 2. High impedance characteristic over a wide frequency band range of 100MHz to 6GHz
- 3. Low DC Resistance enables large Rated Current

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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.)	0.004g
Number of Circuit	1
Rated Current (at 85°C)	700mA
Rated Current (at 125°C)	450mA
DC Resistance(max.)	0.435Ω
Impedance (at 100MHz)	600Ω
Impedance (at 100MHz) Tolerance	±25%
Impedance (at 1GHz)	1500Ω
Impedance (at 1GHz) Tolerance	±30%
Size Code (in mm)	1608

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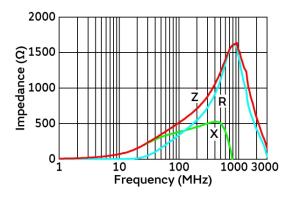
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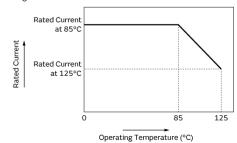




In operating temperature exceeding +85°C, derating of current is necessary for this series.

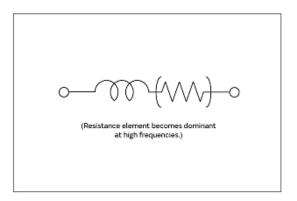
Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Impedance-Frequency Characteristics

Derating of Rated Current



**Equivalent Circuit** 

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