

Product Search Data Sheet

Note: This datasheet may be out of date. Please download the latest datasheet of BLM21SP331SZ1# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=BLM21SP331SZ1%23

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

BLM21SP331SZ1#

In Production AEC-Q200 RoHS REACH

< List of part numbers with package codes > BLM21SP331SZ1B BLM21SP331SZ1D BLM21SP331SZ1J

Applications

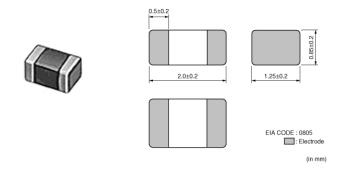
Unsuitable	Please be sure to read and comply with	
Applications	these "Precautions for use."	
Specific Applications	Automotive infotainment/comfort	
	equipment,Consumer equipment,	
	Medical equipment [GHTF A/B/C]	
	except for implant & surgery & auto	
	injector,Industrial equipment except for	
	transportation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

Appearance & Shape

equipment





## **Packaging Information**

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



## Features

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.

The nickel barrier structure of the external electrodes provides excellent solder heat resistance. BLM21SP series can be used in high current circuits due to its low DC resistance.

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#### Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued

without advance notice. Please check with our sales representatives or product engineers before ordering.

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)	0805
Length	2.0mm
Length Tolerance	±0.2mm
Width	1.25mm
Width Tolerance	±0.2mm
Thickness	0.85mm
Thickness Tolerance	±0.2mm
Operating Temperature Range	-55°C to 125°C
Mass(typ.)	0.01g
Number of Circuit	1
Rated Current (at 85°C)	2.8A
Rated Current (at 125°C)	1.9A
DC Resistance(max.)	0.04Ω
Impedance (at 100MHz)	330Ω
Impedance (at 100MHz) Tolerance	±25%
Size Code (in mm)	2012

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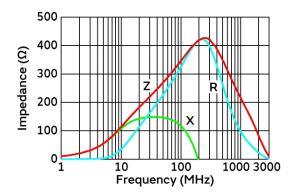
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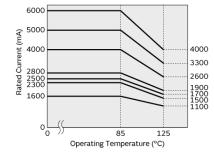
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## Product Data



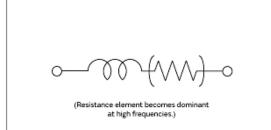
In operating temperature exceeding +85°C, derating of current is necessary for BLM21SP series. Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



### Impedance-Frequency Characteristics

### **Derating of Rated Current**



Equivalent Circuit

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