

Note: This datasheet may be out of date. Please download the latest datasheet of BLM31KN471SN1# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=BLM31KN471SN1%23

# BLM31KN471SN1# "#"at the end indicates the package specification code.

In Production RoHS

HS REACH

< List of part numbers with package codes > BLM31KN471SN1B BLM31KN471SN1K BLM31

BLM31KN471SN1L



### Applications

Please be sure to read and comply with	
these "Precautions for use."	
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.	
Consumer equipment	

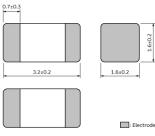
F

## Packaging Information

Packaging	Specifications	Standard Packing Quantity
В	Bulk(Bag)	1000
К	330mm Embossed Tape	8000
L	180mm Embossed Tape	2500







(in mm)

1 of 4

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2. This datasheet has only typical specifications because there is no space for detailed specifications.

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Product Search Data Sheet

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- 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.BLM31KN series can be used in high current circuits due to its low DC resistance. It can match power lines to a maximum of 6ADC.

Extended the spec of former BLM31PG/41PG series. Got larger rated current at same impedance value of BLM31PG/41PG series.



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## Specifications

Shape	SMD
Size Code (in inch)	1206
Length	3.2mm
Length Tolerance	±0.2mm
Width	1.6mm
Width Tolerance	±0.2mm
Thickness	1.6mm
Thickness Tolerance	±0.2mm
Operating Temperature Range	-55°C to 125°C
Mass(typ.)	0.041g
Number of Circuit	1
Rated Current (at 85°C)	4A
Rated Current (at 125°C)	2.7A
DC Resistance(max.)	0.02Ω
Impedance (at 100MHz)	470Ω
Impedance (at 100MHz) Tolerance	±25%
Size Code (in mm)	3216

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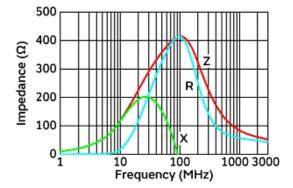
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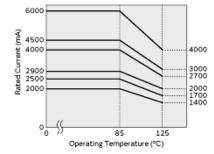
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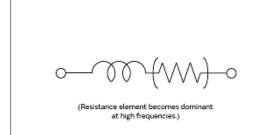
In operating temperature exceeding +85°C, derating of current is necessary for BLM31KN series. Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Impedance-Frequency Characteristics

Derating of Rated Current



Equivalent Circuit

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