

BLM31PG601SH1#

“#” at the end indicates the package specification code.

● In Production

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BLM31PG601SH1B, BLM31PG601SH1L, BLM31PG601SH1K

Applications

Unsuitable Applications	Please be sure to read and comply with these " Precautions for use ".
Specific Applications	<u>Automotive infotainment/comfort equipment, Automotive powertrain/safety equipment, Medical equipment [GHTF</u> Please refer to Our Website and specifications, etc. for information about the performance, functions, quality, man:
Recommended Applications	Automotive powertrain/safety equipment

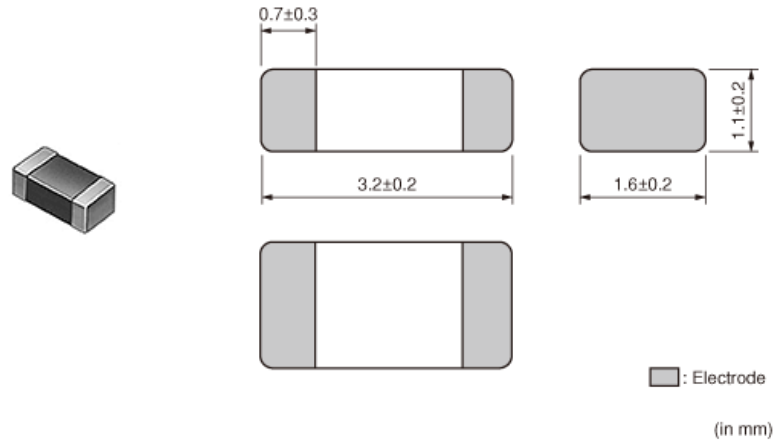
Attention

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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Appearance & Shape



Length	3.2mm ±0.2mm
Width	1.6mm ±0.2mm
Thickness	1.1mm ±0.2mm
Size code in mm(inch)	3216/1206
Shape	SMD

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Specifications

Operating Temperature	-55 ~ 125°C
Number of Circuit	1
Rated Current (at 85°C)	1,500mA
Rated Current (at 125°C)	1,000mA
DC Resistance(max.)	0.08Ω
Impedance (at 100MHz)	600Ω ±25%

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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.

BLM_P series can be used in high current circuits due to its low DC resistance.

References

Packaging	Specifications 	Standard Packing Quantity
B	Bulk(Bag)	1000
L	180mm Embossed Tape	3000
K	330mm Embossed Tape	10000

Mass(Typ.)	
1 piece	0.025g

Attention

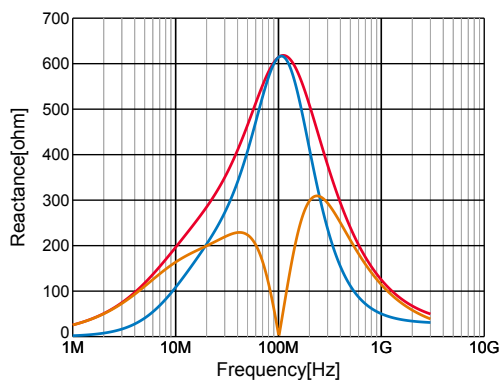
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Frequency Characteristic

周波数特性(|Z|+R+|X|)



BLM31PG601SH1#、|Z|,DCR=0.08ohm, Rated Current=1500mA

BLM31PG601SH1#、R,DCR=0.08ohm, Rated Current=1500mA

BLM31PG601SH1#、|X|,DCR=0.08ohm, Rated Current=1500mA

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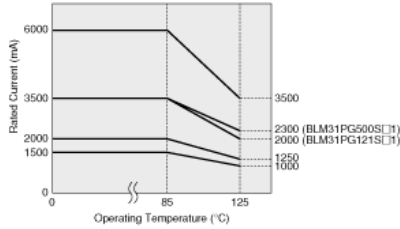
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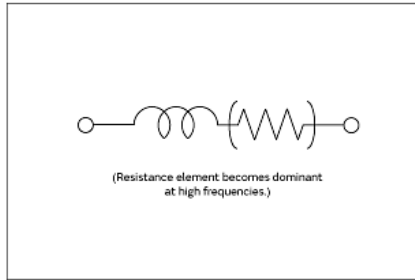
Product Data

In operating temperature exceeding +85°C, derating of current is necessary for BLM31PG series. Please apply the derating curve shown in chart according to the operating temperature.

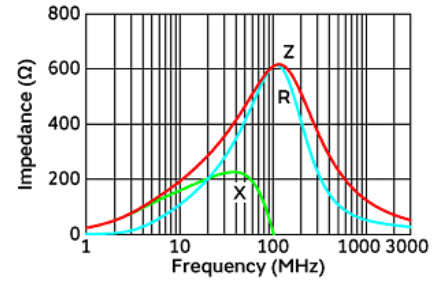
Derating of Rated Current



Derating of Rated Current



Equivalent Circuit



Impedance-Frequency Characteristics

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