

BLM18SP601SH1#

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

● In Production

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BLM18SP601SH1B,BLM18SP601SH1D

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 [GHF A/B/C] except for implant & surgery & auto injector</u> 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 Applications	Automotive powertrain/safety equipment

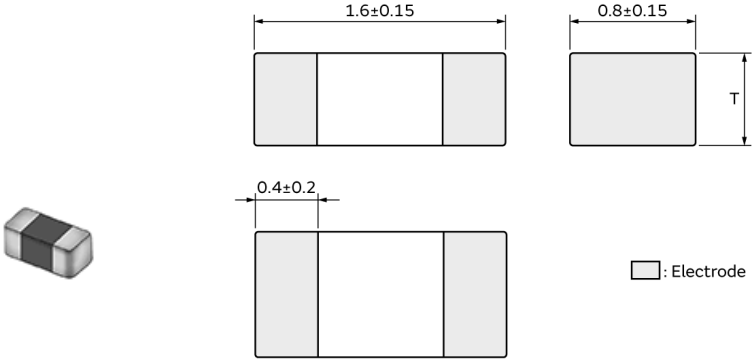
Attention

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



P/N	T
BLM18_SH	0.8 ± 0.15
BLM18_TH	0.6 ± 0.15

(in mm)

Length	1.6mm ±0.15mm
Width	0.8mm ±0.15mm
Thickness	0.8mm ±0.15mm
Size code in mm(inch)	1608/0603
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.)	0.14Ω
Impedance (at 100MHz)	600Ω ±25%

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.

BLM18SP series can be used in high current circuits due to its low DC resistance. It can match power lines to a maximum of 6A DC.

References

Packaging	Specifications 	Standard Packing Quantity
B	Bulk(Bag)	1000
D	180mm Paper Tape	4000

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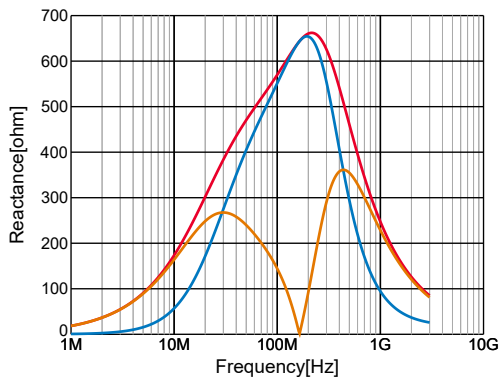
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Frequency Characteristic

周波数特性(|Z|+R+|X|)



BLM18SP601SH1# ,|Z|,DCR=0.14ohm, Rated Current=1500mA

BLM18SP601SH1# ,R,DCR=0.14ohm, Rated Current=1500mA

BLM18SP601SH1# ,X,DCR=0.14ohm, Rated Current=1500mA

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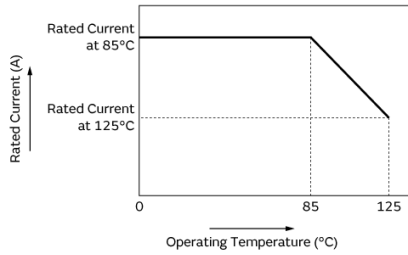
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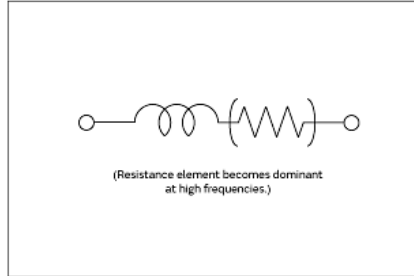
Product Data

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

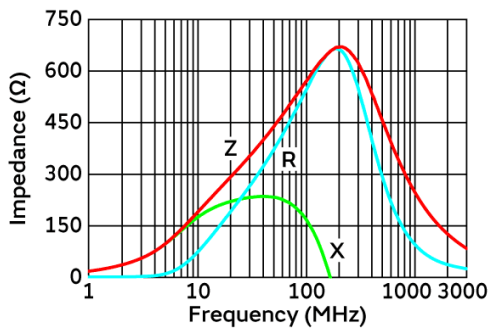
Derating of Rated Current



Derating of Rated Current



Equivalent Circuit



Impedance-Frequency Characteristics

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