

BLM21PG121SN1#

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

● In Production

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BLM21PG121SN1B, BLM21PG121SN1D, BLM21PG121SN1J

Applications

Unsuitable Applications	Please be sure to read and comply with these " <u>Precautions for use</u> ".
Specific Applications	<u>Consumer equipment, Industrial equipment except for transportation & facility & energy equipment, Medical equipment [GHTF 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	Consumer equipment

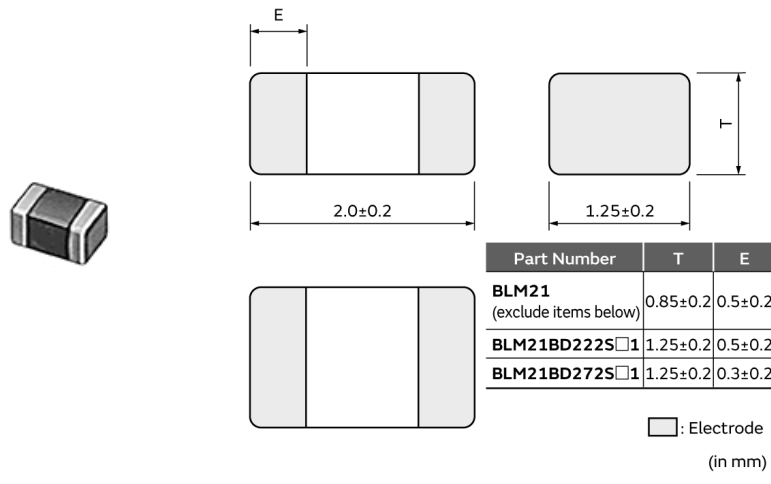
Attention

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	2mm ±0.2mm
Width	1.25mm ±0.2mm
Thickness	0.85mm ±0.2mm
Size code in mm(inch)	2012/0805
Shape	SMD

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Specifications

Operating Temperature	-55 ~ 125°C
Number of Circuit	1
Rated Current (at 85°C)	3,000mA
Rated Current (at 125°C)	1,550mA
DC Resistance(max.)	0.03Ω
Impedance (at 100MHz)	120Ω ±25%

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Features

- 1.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.BLM_P 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
J	330mm Paper Tape	10000

Mass(Typ.)	
1 piece	0.01g

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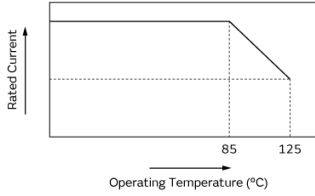
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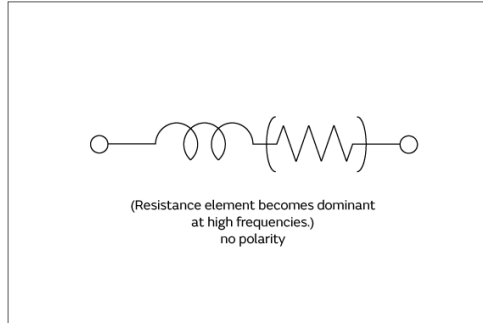
Product Data

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.

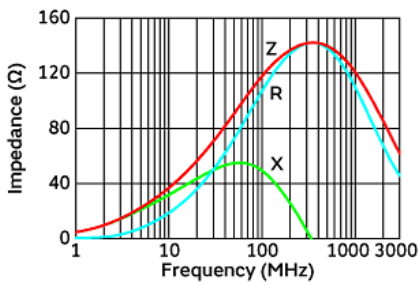
Derating of Rated Current



Derating of Rated Current



Equivalent Circuit



Impedance-Frequency Characteristics

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