

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

● In Production

## BLM21BB050SN1#

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BLM21BB050SN1B, BLM21BB050SN1D, BLM21BB050SN1J

### Applications

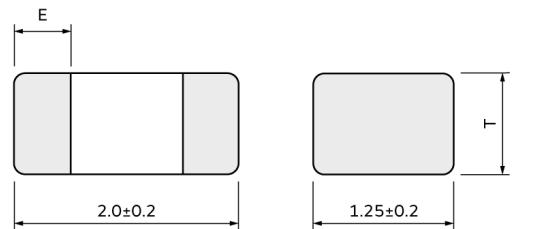
Unsuitable Applications	Please be sure to read and comply with these " <a href="#">Precautions for use</a> ".
Specific Applications	<u>Consumer equipment</u> , <u>Industrial equipment except for transportation &amp; facility &amp; energy equipment</u> , <u>Medical equipment [GHTF A/B/C] except for implant &amp; surgery &amp; 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

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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



Part Number	T	E
<b>BLM21</b> (exclude items below)	$0.85\pm0.2$	$0.5\pm0.2$
<b>BLM21BD222S□1</b>	$1.25\pm0.2$	$0.5\pm0.2$
<b>BLM21BD272S□1</b>	$1.25\pm0.2$	$0.3\pm0.2$

: Electrode

(in mm)

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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<https://pim.murata.com/en-us/pim/details/?partNum=BLM21BB050SN1#>

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### Specifications

Operating Temperature	-55 ~ 125°C
Number of Circuit	1
Rated Current (at 125°C)	1,000mA
DC Resistance(max.)	0.02Ω
Impedance (at 100MHz)	5Ω ±25%

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### Features

The chip ferrite beads BLM series is designed to work 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.

BLM\_B series can minimize attenuation of the signal waveform due to its sharp impedance characteristics. Various impedances are available to match signal frequency.

The nickel barrier structure of the external electrodes provides excellent solder heat resistance.

### References

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

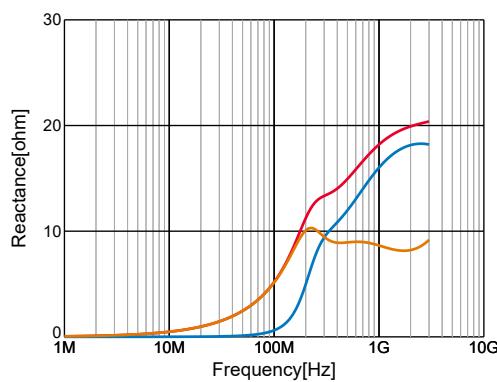
Mass(Typ.)	
1 piece	0.01g

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## BLM21BB050SN1#

### Frequency Characteristic

周波数特性( $|Z|+R+|X|$ )

BLM21BB050SN1#, |Z|, DCR=0.02ohm, Rated  
Current=1000mA

BLM21BB050SN1#, R, DCR=0.02ohm, Rated  
Current=1000mA

BLM21BB050SN1#, |X|, DCR=0.02ohm, Rated  
Current=1000mA

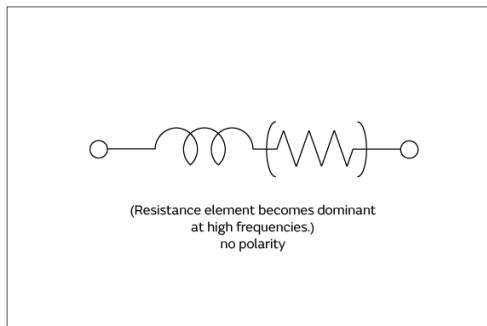
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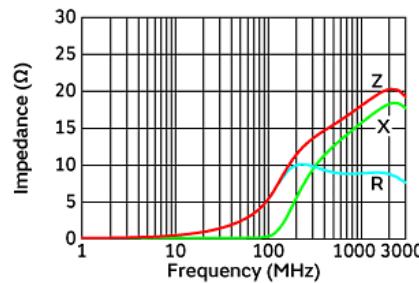
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### Product Data



Equivalent Circuit



Impedance-Frequency Characteristics

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