Note: This datasheet may be out of date.

Please download the latest datasheet of BLM15PX221SN1# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=BLM15PX221SN1%23

"#" indicates a package specification code.



In Production





BLM15PX221SN1#

< List of part numbers with package codes >

BLM15PX221SN1B

BLM15PX221SN1D

BLM15PX221SN1J



## Appearance & Shape









(in mm)



# **Packaging Information**

			Standard
	Packaging	Specifications	Packing
			Quantity
	В	Bulk(Bag)	1000
	D	180mm Paper Tape	10000
	J	330mm Paper Tape	50000



# **Applications**

Other Usage

For general

1 of 4

## 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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- 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 6ADC.

2 of 4

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"#" indicates a package specification code.



# **Specifications**

Shape	SMD
Size Code (in inch)	0402
Length	1.0mm
Length Tolerance	±0.05mm
Width	0.5mm
Width Tolerance	±0.05mm
Thickness	0.5mm
Thickness Tolerance	±0.05mm
Operating Temperature Range	-55°C to 125°C
Mass(typ.)	0.001g
Number of Circuit	1
Rated Current (at 85°C)	1.4A
Rated Current (at 125°C)	800mA
DC Resistance(max.)	0.1Ω
Impedance (at 100MHz)	220Ω
Impedance (at 100MHz) Tolerance	±25%
Size Code (in mm)	1005

3 of 4

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BLM15PX221SN1#

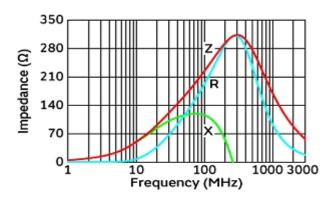
Please download the latest datasheet of BLM15PX221SN1# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=BLM15PX221SN1%23

Note: This datasheet may be out of date.

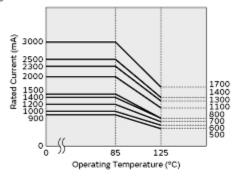
"#" indicates a package specification code.





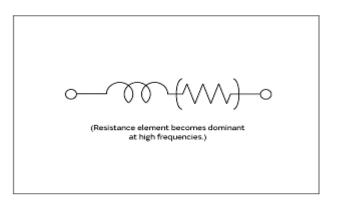
In operating temperature exceeding +85°C, derating of current is necessary for BLM15PX series. Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Impedance-Frequency Characteristics





**Equivalent Circuit** 

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