

# BLM02BX241SN1#

“#” indicates a package specification code.

In Production

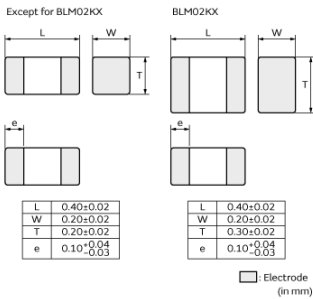
RoHS

REACH

< List of part numbers with package codes >

BLM02BX241SN1D BLM02BX241SN1B

## Appearance & Shape



## 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 small size of BLM02B series (0.4x0.2mm) is suitable for advanced high-density mounting, and is followed on a miniaturization of digital equipment, or module of a functional portion.

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

BLM\_X series is designed to be low DC resistance using new materials.

## Applications

Other Usage For general

## Packaging Information

Packaging	Specifications	Minimum Order Quantity
D	180mm Paper Tape	20000
B	Bulk(Bag)	1000

### 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.  
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## Specifications

Shape	SMD
Size Code (in mm)	0402
Size Code (in inch)	01005
Length	0.4mm
Length Tolerance	±0.02mm
Width	0.2mm
Width Tolerance	±0.02mm
Thickness	0.2mm
Thickness Tolerance	±0.02mm
Impedance (at 100MHz)	240Ω
Impedance (at 100MHz) Tolerance	±25%
Rated Current (at 85°C)	240mA
Rated Current (at 125°C)	160mA
DC Resistance(max.)	1.1Ω
Operating Temperature Range	-55°C to 125°C
Mass(typ.)	0.08mg
Number of Circuit	1

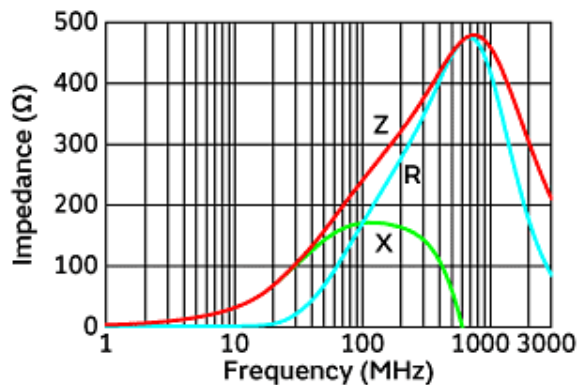
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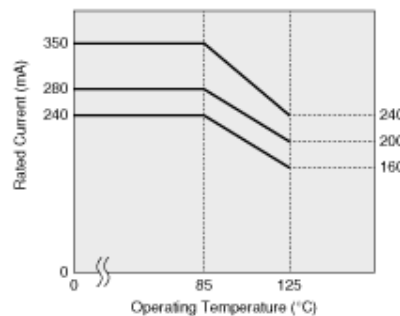
## Product Data



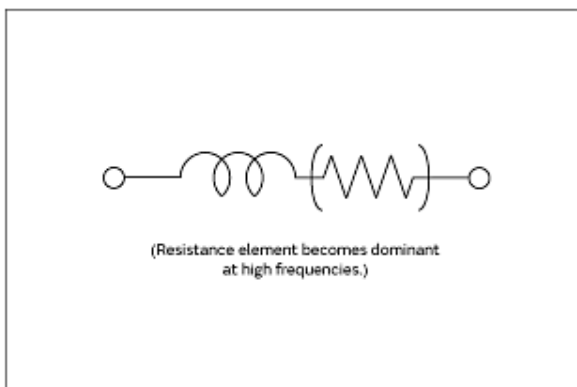
Impedance-Frequency Characteristics

In operating temperature exceeding +85°C, derating of current is necessary for BLM02BX series. Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Derating of Rated Current



Equivalent Circuit

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