

# BNX023-01#

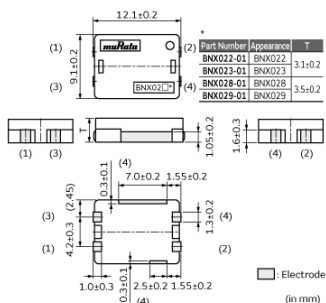
"#" indicates a package specification code.



< List of part numbers with package codes >

BNX023-01B BNX023-01K BNX023-01L

## Appearance & Shape



## Features

BNX02□ series is SMD type high performance and provides excellent noise suppression on DC power lines.

### Features

1. Large rated current (10A-15A)
2. Supporting wide frequency range  
From 15kHz to 1GHz:35dB min. (BNX029 )
3. Mounting area and volume is reduced.
4. Effective for impulse noise such as electro-static discharge or spike noise.

### Applications

1. Displays (PDP/LCD-TV)
2. Digital A/V equipment
3. Amusement equipment
4. PC peripheral equipment
5. Industry equipment, measurement equipment, power supplies

## Applications

Other Usage	For general
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## Packaging Information

Packaging	Specifications	Minimum Order Quantity
B	Bulk(Bag)	100
K	330mm Embossed Tape	1500
L	180mm Embossed Tape	400

### Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its specifications are subject to change or our products 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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## Specifications

Shape	SMD
Length	12.1mm
Length Tolerance	±0.2mm
Width	9.1mm
Width Tolerance	±0.2mm
Thickness	3.1mm
Thickness Tolerance	±0.2mm
Rated Current	15.0A
Operating Temperature Range	-40°C to 125°C
Mass(typ.)	0.8g
Rated Voltage	100Vdc
Withstanding Voltage	250Vdc
Insulation Resistance(max.)	500MΩ
Insertion Loss	1MHz to 1GHz:35dB min. (Line impedance=50Ω)

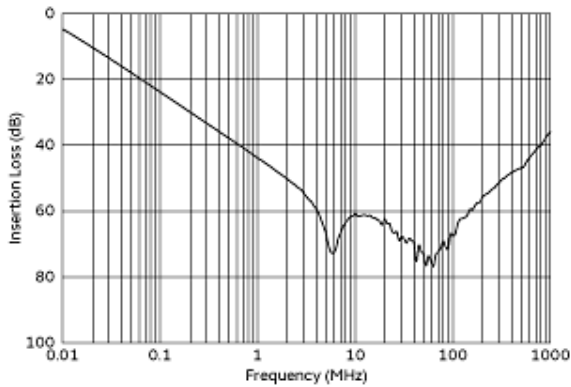
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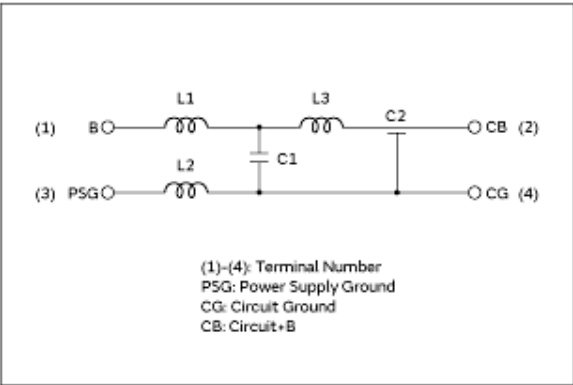
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## Product Data



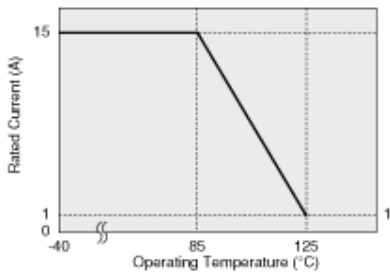
Insertion Loss Characteristics



Equivalent Circuit

In operating temperature exceeding +85°C, derating of current is necessary for BNX023/029 series. Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Derating of Rated Current

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