

# BNX029-01#

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

In Production

RoHS

REACH

< List of part numbers with package codes >  
BNX029-01B      BNX029-01K      BNX029-01L

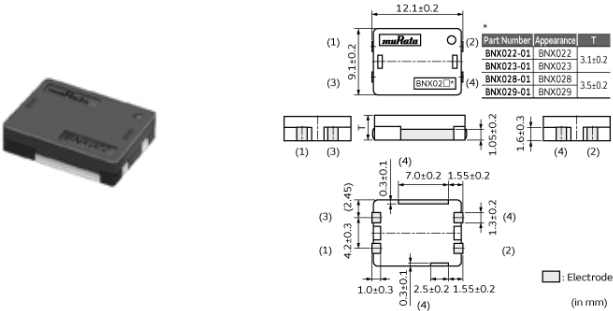
## Applications

|                          |  |
|--------------------------|--|
| Unsuitable Applications  | Please be sure to read and comply with these "Precautions for use."  |
| Specific Applications    | <p>Consumer equipment, Medical equipment [GHTF A/B/C] except for implant &amp; surgery &amp; auto injector, Industrial equipment except for transportation &amp; facility &amp; energy equipment</p> <p>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.</p> |
| Recommended Applications | Consumer equipment   |

## Packaging Information

| Packaging | Specifications      | Standard Packing Quantity |
|-----------|---------------------|---------------------------|
| B         | Bulk(Bag)           | 100                       |
| K         | 330mm Embossed Tape | 1500                      |
| L         | 180mm Embossed Tape | 400                       |

## Appearance & Shape



**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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## Features

BNX022/023/028/029 is SMD type high performance and provides excellent noise suppression on DC power lines.

### Features

1. Large rated current (20A)
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

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## Specifications

|                             |   |
|-----------------------------|---|
| Shape                       | SMD   |
| Length                      | 12.1mm  |
| Length Tolerance            | ±0.2mm  |
| Width                       | 9.1mm   |
| Width Tolerance             | ±0.2mm  |
| Thickness                   | 3.5mm   |
| Thickness Tolerance         | ±0.2mm  |
| Rated Current               | 20A   |
| Operating Temperature Range | -40°C to 125°C                                  |
| Mass(typ.)                  | 0.8g  |
| Rated Voltage               | 6.3Vdc  |
| Withstanding Voltage        | 15.8Vdc   |
| Insulation Resistance(min.) | 0.5MΩ   |
| Insertion Loss              | 15kHz to 1GHz:35dB min.<br>(Line impedance=50Ω) |

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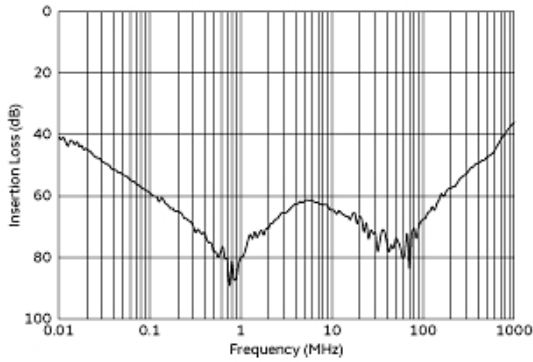
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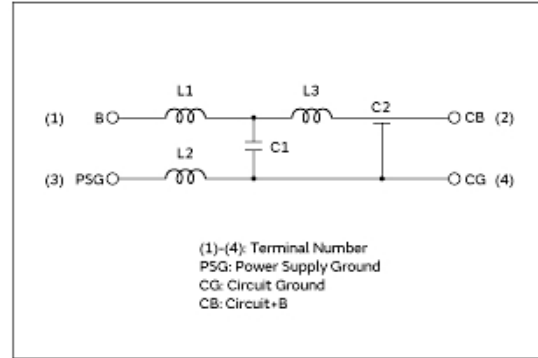
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## Product Data



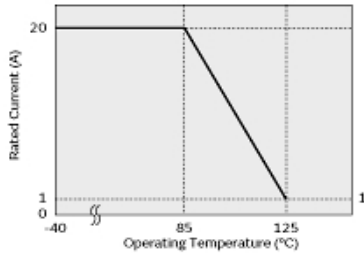
Insertion Loss Characteristics



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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