

# BNX012-01

Note: This datasheet may be out of date. Please download the latest datasheet of BNX012-01 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-gb/products/productdetail?partno=BNX012-01

In Production RoHS

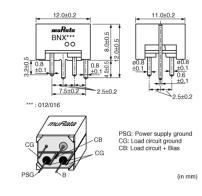
S REACH

## Applications

Unsuitable ApplicationsPlease be sure to read and comply with these "Precautions for use."Consumer equipment,Medical equipment [GHTF A/B/C] except for implant & surgery & auto injector, Industrial equipment except for transportation & facility & energy equipmentSpecific ApplicationsPlease 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 ApplicationsConsumer equipment			
Specific       Consumer equipment, Medical equipment [GHTF A/B/C] except for implant & surgery & auto injector, Industrial equipment except for transportation & facility & energy equipment         Specific       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       Consumer equipment	Unsuitable	Please be sure to read and comply with	
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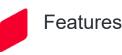
## Appearance & Shape





## Packaging Information

Packaging	Specifications	Standard Packing Quantity
-	Box	150



Large current, wide band compatible, low profile type ultra-high performance EMI filter ideal for noise suppression in DC power lines.

### Features

- High insertion loss characteristic over a wide frequency band range.
   1MHz to 1GHz: 40dB min (BNX012)
  - 100kHz to 1GHz: 40dB min (BNX016)
- 2. Large rated current (15A)
- 3. Low profile (height: 8.0mm except lead terminal)
- 4. Effective for impulse noise such as electrostatic discharge or spike noise.

### Applications

- 1. Displays (PDP/LCD-TV)
- 2. Digital AV equipment
- 3. Amusement equipment
- 4. PC peripheral equipment
- 5. Industry equipment

#### 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.

Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering





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## Specifications

Shape	Lead
Length	12.0mm
Length Tolerance	±0.2mm
Width	11.0mm
Width Tolerance	±0.2mm
Thickness	8.0mm
Thickness Tolerance	±0.5mm
Rated Current	15A
Operating Temperature Range	-40°C to 125°C
Mass(typ.)	2.0g
Rated Voltage	50Vdc
Withstanding Voltage	125Vdc
Insulation Resistance(min.)	500ΜΩ
Insertion Loss	1MHz to 1GHz:40dB min. (Line impedance=50Ω)

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Product Search Data Sheet

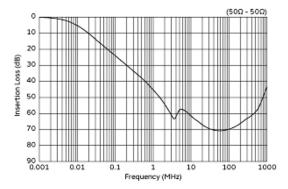
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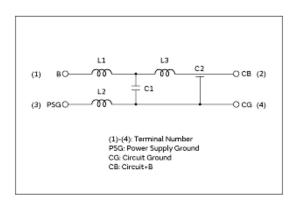
INNOVATOR IN ELECTRONI

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Product Data

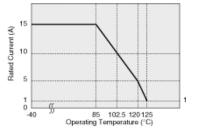




### Insertion Loss Characteristics

In operating temperature exceeding +85°C, derating of current is necessary for BNX01 series. Please apply the derating curve shown in chart according to the operating temperature.

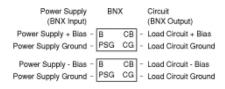
Derating of Rated Current



Derating of Rated Current

### Equivalent Circuit

In case of using ± power line, please connect to each terminal as shown.



**Derating of Rated Current** 

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