

# BNX016-01

Note: This datasheet may be out of date. Please download the latest datasheet of BNX016-01 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-sg/products/productdetail?partno=BNX016-01

In Production RoHS

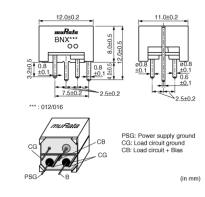
IS REACH

## Applications

Unsuitable	Please be sure to read and comply with
Applications	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
	equipment
Specific	Please refer to Our Website and
Applications	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
Applications	

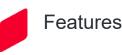
## Appearance & Shape





## 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	25Vdc
Withstanding Voltage	62.5Vdc
Insulation Resistance(min.)	50ΜΩ
Insertion Loss	100kHz to 1GHz:40dB min. (Line impedance=50Ω)

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Product Search Data Sheet

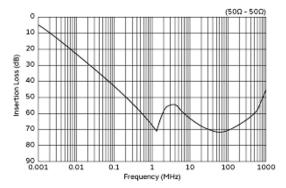
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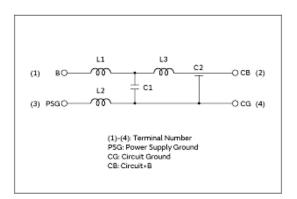
INNOVATOR IN ELECTRONI

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Product Data

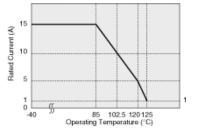




### Insertion Loss Characteristics

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.

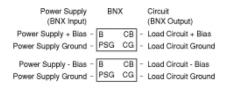
Derating of Rated Current



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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