

## BNX012-01

Please download the latest datasheet of BNX012-01 from the official website of Murata Manufacturing Co. Ltd.

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

Note: This datasheet may be out of date.









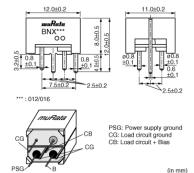
### **Applications**

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	0
Applications	Consumer equipment



# Appearance & Shape







### Packaging Information

Packaging		Standard Packing Quantity
-	Вох	150



### **Features**

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

1 of 3

#### 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





# 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Note: This datasheet may be out of date.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/products/productdetail?partno=BNX012-01



# **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)

2 of 3

#### 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.



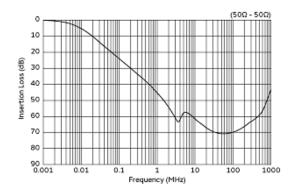
### BNX012-01

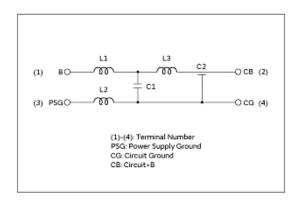
Note: This datasheet may be out of date.

Please download the latest datasheet of BNX012-01 from the official website of Murata Manufacturing Co., Ltd.

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





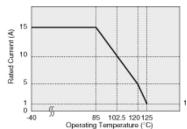


#### Insertion Loss Characteristics

**Equivalent Circuit** 

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



In case of using  $\pm$  power line, please connect to each terminal as shown.



**Derating of Rated Current** 

**Derating of Rated Current** 

3 of 3

#### 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.
- $2. This \ data{sheet has only typical specifications because there is no \ space for \ detailed \ specifications.}$
- Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering

