

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Note: This datasheet may be out of date.









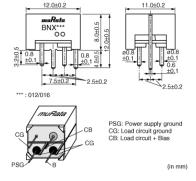
Applications

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	Consumer equipment	
Applications	Consumor equipment	



Appearance & Shape







Packaging Information

Packaging	Specifications	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

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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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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

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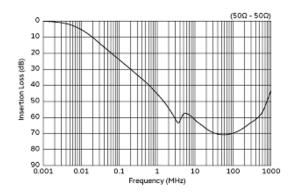
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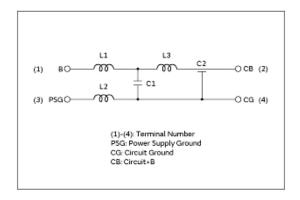
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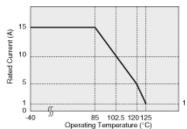


Insertion Loss Characteristics

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

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