

BNX012-01

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

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

Note: This datasheet may be out of date.









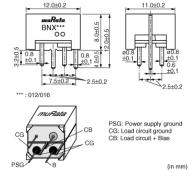
Applications

| 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 | Canalimar aguinment | |
| 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

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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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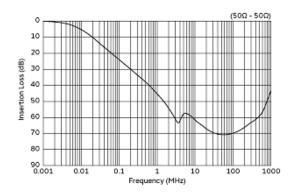
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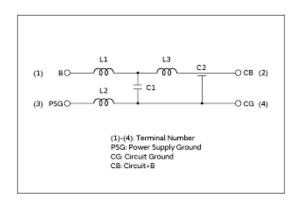
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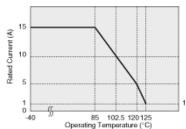


Insertion Loss Characteristics

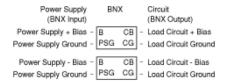
Equivalent Circuit

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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