

BNX012-01

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

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

Note: This datasheet may be out of date.









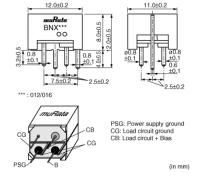
Applications

| 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 | Consumer 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) |

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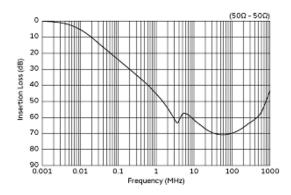
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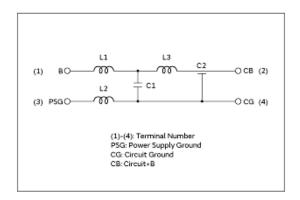
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Product Data



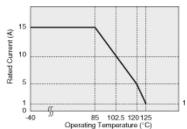


Insertion Loss Characteristics

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 ± power line, please connect to each terminal as shown.



Derating of Rated Current

Derating of Rated Current

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