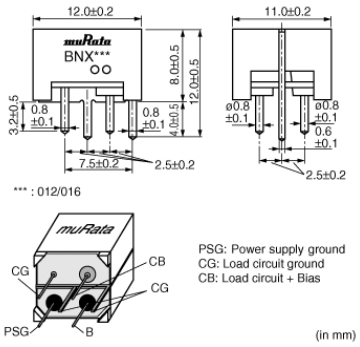
BNX012-01

In Production RoHS REACH

Appearance & Shape



Features

The block type "EMIFIL" BNX010 series is high performance and BNX series provide excellent noise suppression on DC power lines.

Features
1. 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) and Low Rdc (0.8m ohm-typ.)
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

Applications

Other Usage	For general

Packaging Information

Packaging	Specifications	Standard Packing Quantity
-	Box	150

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℃ to 125℃
Mass(typ.)	2.0g
Rated Voltage	50Vdc
Withstanding Voltage	125Vdc
Insulation Resistance(min.)	500MΩ
Insertion Loss	1MHz to 1GHz:40dB min. (Line impedance=50Ω)

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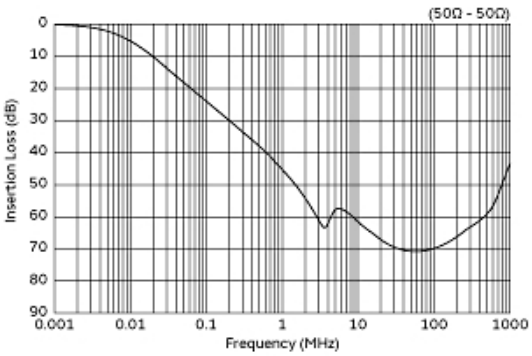
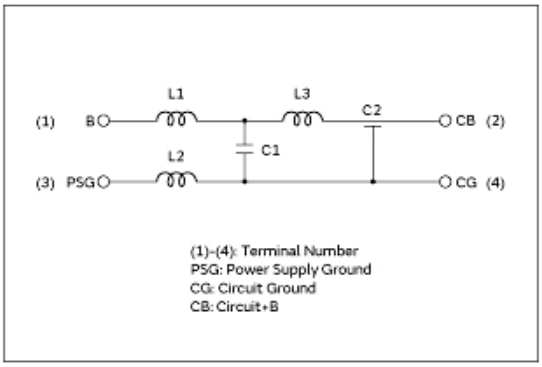
Product Data



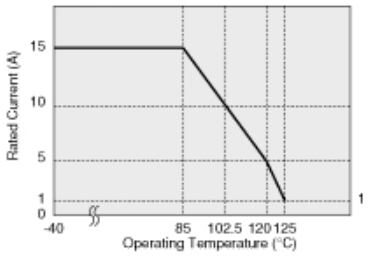
Insertion Loss Characteristics



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



Derating of Rated Current

In case of using ± power line, please connect to each terminal as shown.

Power Supply (BNX Input)	BNX		Circuit (BNX Output)
Power Supply + Bias	B	CB	Load Circuit + Bias
Power Supply Ground	PSG	CG	Load Circuit Ground
Power Supply - Bias	B	CB	Load Circuit - Bias
Power Supply Ground	PSG	CG	Load Circuit Ground

Derating of Rated Current

Mouser Electronics

Authorized Distributor

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Murata:

BNX012-01