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Please download the latest datasheet of BNX027H01# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-gb/products/productdetail?partno=BNX027H01%23

BNX027H01#

"#"at the end indicates the package specification code.

In Production | AEC-Q200 | RoHS | REACH

< List of part numbers with package codes >

BNX027H01B BNX027H01K BNX027H01L

Applications

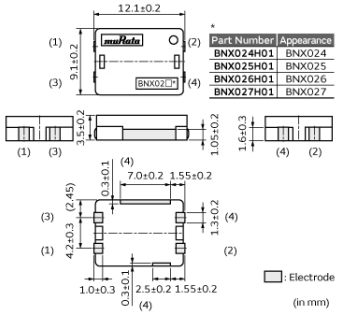
Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	Automotive powertrain/safety equipment, Automotive infotainment/comfort equipment,Consumer equipment, Medical equipment [GHTF A/B/C] except for implant & surgery & auto injector,Industrial Equipment Please refer to Our Website and 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 Applications	Automotive powertrain/safety equipment

Packaging Information

Packaging	Specifications	Standard Packing Quantity
B	Bulk(Bag)	100
K	330mm Embossed Tape	1500
L	180mm Embossed Tape	400

Appearance & Shape





Part Number	Appearance
BNX024H01	BNX024
BNX025H01	BNX025
BNX026H01	BNX026
BNX027H01	BNX027

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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BNX027H01#

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Features

BNX024H/025H/026H/027H (Block Type EMIFIL for automotive) is EMI suppression filter supporting large current, wide frequency.
And it also supports SMD mounting.
This product is effective for noise suppression for DC switching line of automotive device and FA/OAdevice, because it covers wide temperature range from -55C degrees to 125 C degrees.

Features
1. Supporting large current (20A)
2. Supporting wide frequency range
   From 40kHz to 1GHz:35dB min.(BNX027)
3. Suitable for miniaturization with SMD shape.

Applications
Automotive devices/Displays (PDP/LCD-TV)/
Digital AVequipments/Amusement equipments/
PC peripheral equipments/Industry equipments/
Measurement equipments/Power supplies

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BNX027H01#

"#"at the end indicates the package specification code.

Specifications

Shape	SMD
Length	12.1mm
Length Tolerance	±0.2mm
Width	9.1mm
Width Tolerance	±0.2mm
Thickness	3.5mm
Thickness Tolerance	±0.2mm
Rated Current	20A
Operating Temperature Range	-55℃ to 125℃
Mass(typ.)	0.86g
Rated Voltage	16Vdc
Withstanding Voltage	40Vdc
Insulation Resistance(min.)	1MΩ
Insertion Loss	40kHz to 1GHz:35dB min. (Line impedance=50Ω)

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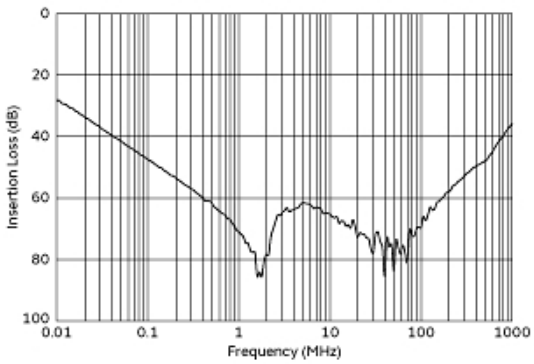
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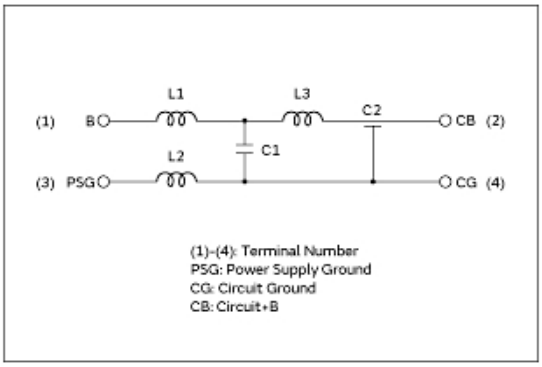
BNX027H01#

"#"at the end indicates the package specification code.

Product Data



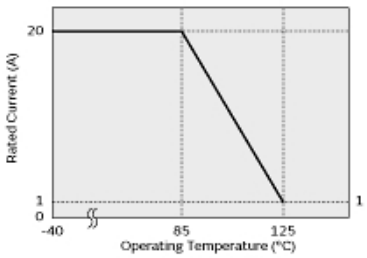
Insertion Loss Characteristics



Equivalent Circuit

In operating temperature exceeding +85°C, derating of current is necessary for BNX024H/025H/026H/027H series. Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Derating of Rated Current

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