

# BNX027H01#

“#” at the end indicates the package specification code.



< List of part numbers with package codes >  
BNX027H01B      BNX027H01K      BNX027H01L

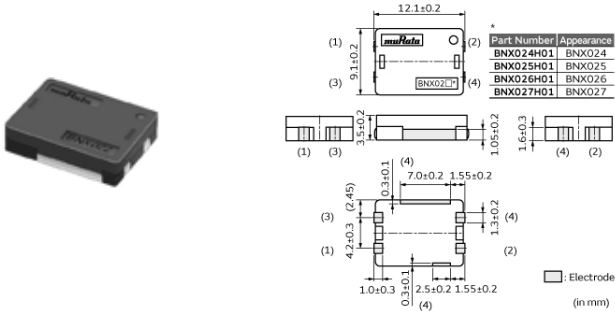
## Applications

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



**Attention**  
1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.  
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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## 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/OA device, 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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## 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°C to 125°C
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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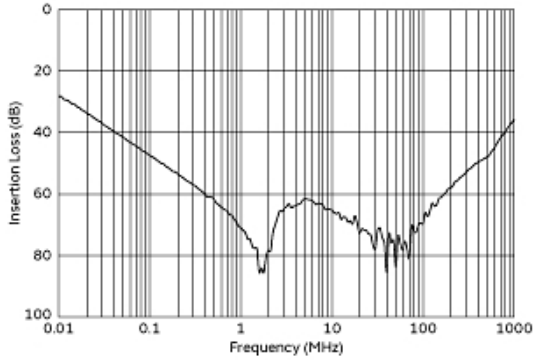
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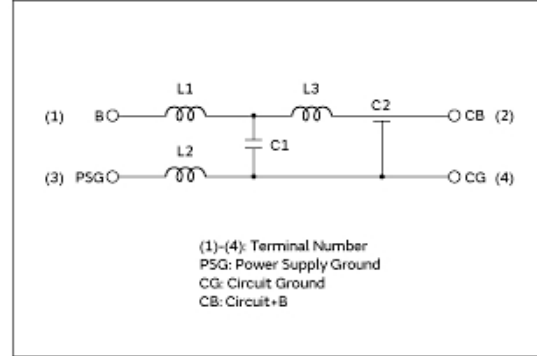
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## Product Data



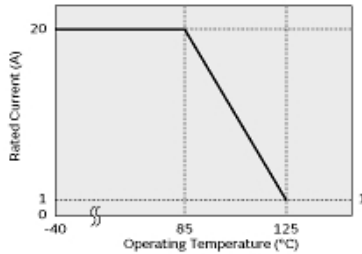
Insertion Loss Characteristics



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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