

## BNX012H01

Note: This datasheet may be out of date.

Please download the latest datasheet of BNX012H01 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=BNX012H01





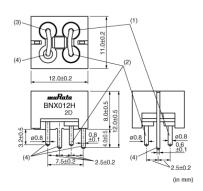






### Appearance & Shape







### **Features**

BNX012H series is noise suppression filter and ESD surge protection filter for Automotive. Suitable for the power supply circuits which is large current and wide frequency range.

### Features

- 1. Large rated current(15A)
- 2. High insertion loss characteristic over a wide frequency range 1MHz to 1GHz: 40dB min
- 3. Low profile (height: 8.0mm except lead terminal)

#### **Applications**

Noise suppression and ESD surge protection for power lines such as ECU, DC-DC Converters , and Inverter circuits.



### **Applications**

Automotive Usage Po

Powertrain/Safety



# Packaging Information

Packaging		Standard Packing Quantity
-	Вох	150

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#### 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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# **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	-55°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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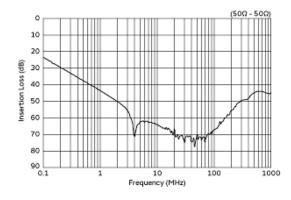


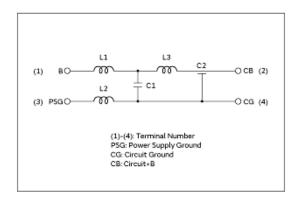
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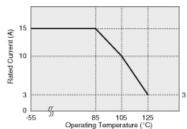




### Insertion Loss Characteristics

In operating temperatures exceeding +85°C, derating of current is necessary for BNX012H series. Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



**Equivalent Circuit** 

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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