

Note: This datasheet may be out of date.

Please download the latest datasheet of BNX025H01# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=BNX025H01%23

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









< List of part numbers with package codes > BNX025H01B BNX025H01K BNX025H01L



Applications

Unsuitable	Please be sure to read and comply with	
Applications	these "Precautions for use."	
	Automotive powertrain/safety equipment,	
	Automotive infotainment/comfort	
	equipment,Consumer equipment,	
	Medical equipment [GHTF A/B/C]	
	except for implant & surgery & auto	
	injector,Industrial 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	Automobile a new anthonius la afata e a su immo ant	
Applications	Automotive powertrain/safety equipment	



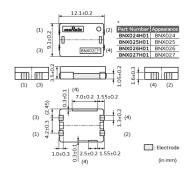
Packaging Information

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



Appearance & Shape





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 $2. This \ data{sheet has only typical specifications because there is no \ space for \ detailed \ specifications.}$

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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 AV equipments/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	25Vdc
Withstanding Voltage	62.5Vdc
Insulation Resistance(min.)	50ΜΩ
Insertion Loss	50kHz to 1GHz:35dB min. (Line impedance=50Ω)

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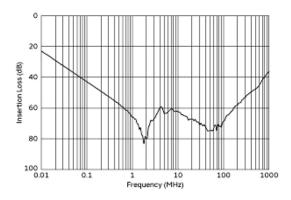
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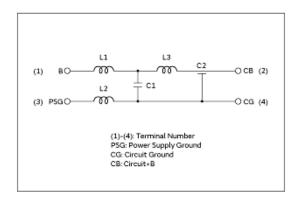
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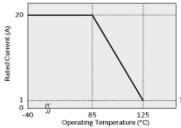




Insertion Loss Characteristics

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



Equivalent Circuit

Derating of Rated Current

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