

Note: This datasheet may be out of date. Please download the latest datasheet of BNX028-01# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-gb/products/productdetail?partno=BNX028-01%23

BNX028-01#

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

In Production RoHS REACH

< List of part numbers with package codes > BNX028-01B BNX028-01K BNX028-01L

Applications

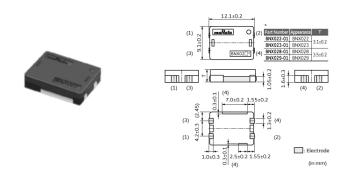
Unsuitable	Please be sure to read and comply with	
Applications	these "Precautions for use."	
	Consumer equipment,Medical	
	equipment [GHTF A/B/C] except for	
	implant & surgery & auto injector,	
	Industrial equipment except for	
	transportation & facility & energy	
	equipment	
Specific	Please refer 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		
Applications	Consumer equipment	



Packaging Information

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

Appearance & Shape



1 of 4

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BNX022/023/028/029 is SMD type high performance and provides excellent noise suppression on DC power lines.

Features

- 1. Large rated current (20A)
- 2. Supporting wide frequency range
- From 15kHz to 1GHz:35dB min. (BNX029) 3. Mounting area and volume is reduced.
- 4. Effective for impulse noise such as electro-
- static discharge or spike noise.

Applications

- 1. Displays (PDP/LCD-TV)
- 2. Digital AV equipment
- 3. Amusement equipment
- 4. PC peripheral equipment
- 5. Industry equipment, measurement equipment, 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	-40°C to 105°C
Mass(typ.)	0.8g
Rated Voltage	16Vdc
Withstanding Voltage	40Vdc
Insulation Resistance(min.)	1.1ΜΩ
Insertion Loss	30kHz to 1GHz:35dB min. (Line impedance=50Ω)

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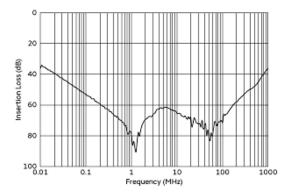
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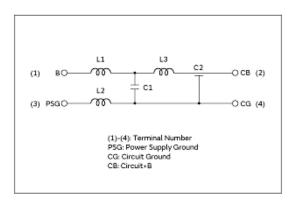
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Product Data

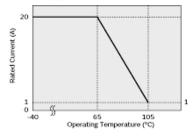




Insertion Loss Characteristics

In operating temperature exceeding +65°C, derating of current is necessary for BNX028 series. Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Derating of Rated Current

Equivalent Circuit

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