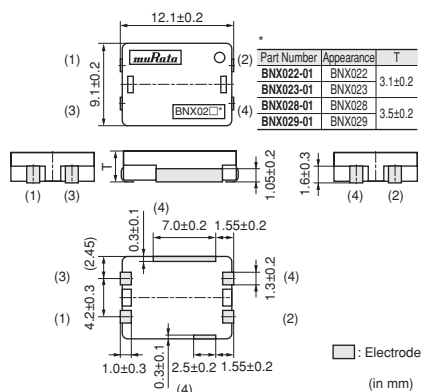


Block Type EMIFIL® (LC Combined) SMD Type

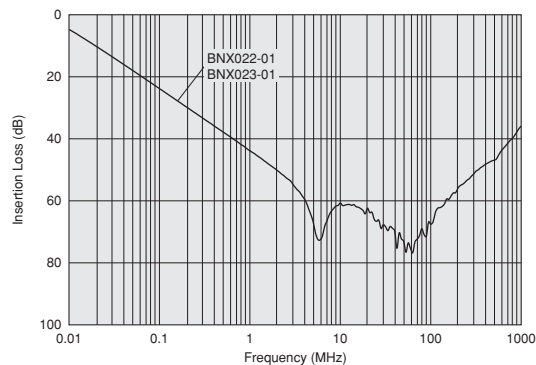
BNX02* Series

■ Dimensions



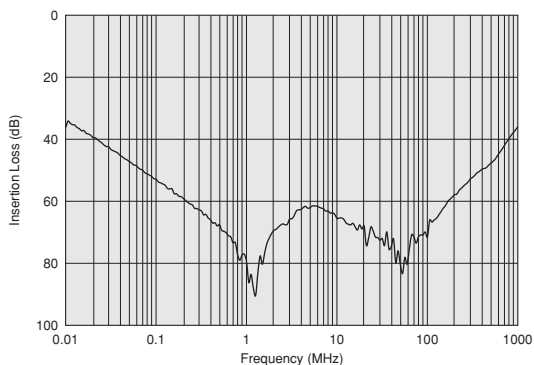
■ Insertion Loss Characteristics (Main Items)

BNX022/BNX023



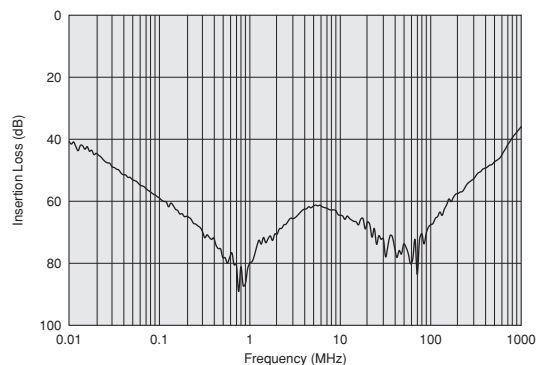
■ Insertion Loss Characteristics (Main Items)

BNX028

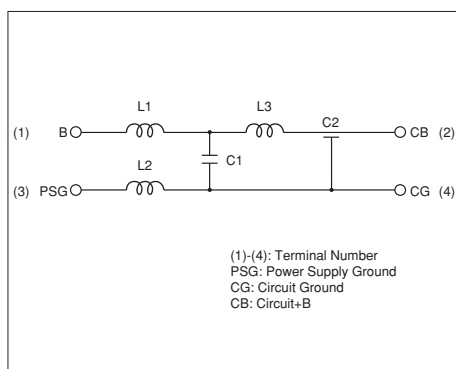


■ Insertion Loss Characteristics (Main Items)

BNX029



■ Equivalent Circuit



■ Packaging

Code	Packaging	Minimum Quantity
L	180mm Embossed Tape	400
K	330mm Embossed Tape	1500
B	Bulk(Bag)	100

Continued on the following page.

● This data sheet is applied for Block Type EMIFIL® used for General Electronics equipment for your design.

⚠Note:

- This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its 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.
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■ Rated Value (□: packaging code)

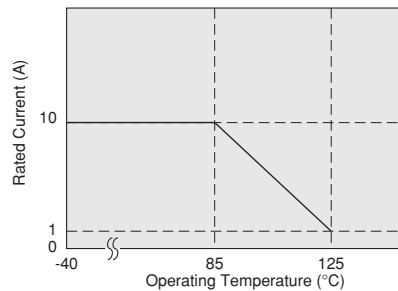
Part Number	Rated Voltage	Withstand Voltage	Rated Current	Insulation Resistance (min.)	Insertion Loss	Operating Temperature Range
BNX022-01 □	50Vdc	125Vdc	10A	500M ohm	1MHz to 1GHz:35dB min. (Line impedance=50 ohm)	-40 to +125°C
BNX023-01 □	100Vdc	250Vdc	15A	500M ohm	1MHz to 1GHz:35dB min. (Line impedance=50 ohm)	-40 to +125°C
BNX028-01 □	16Vdc	40Vdc	15A	1.1M ohm	30KHz to 1GHz:35dB min. (Line impedance=50 ohm)	-40 to +105°C
BNX029-01 □	6.3Vdc	15.8Vdc	15A	0.5M ohm	15KHz to 1GHz:35dB min. (Line impedance=50 ohm)	-40 to +125°C

In operating temperatures exceeding +85°C, derating of current is necessary.

■ Derating of Rated current

In operating temperature exceeding +85°C, derating of current is necessary for BNX022 series. Please apply the derating curve shown in chart according to the operating temperature.

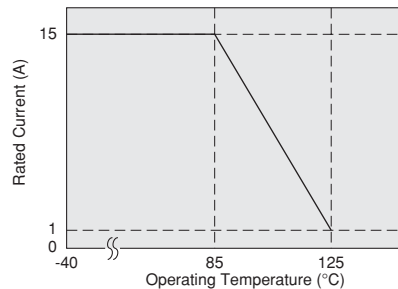
Derating of Rated Current



■ Derating of Rated current

In operating temperature exceeding +85°C, derating of current is necessary for BNX023/029 series. Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Continued on the following page. 

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⚠ Note:

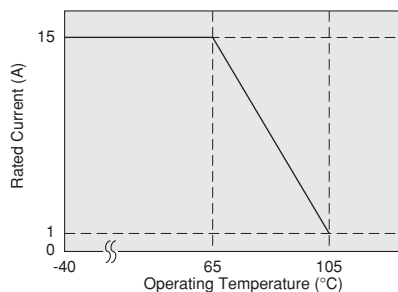
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■ Derating of Rated current

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



■ ⚠ Caution (Rating)

Do not use products beyond the rated current and rated voltage as this may create excessive heat and deteriorate the insulation resistance.

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