Note: This datasheet may be out of date.
Please download the latest datasheet of BLF03VK221SNG# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=BLF03VK221SNG%23

BLF03VK221SNG#

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

In Production RoHS REACH

< List of part numbers with package codes >

BLF03VK221SNGB BLF03VK221SNGD

Applications

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

Packaging Information

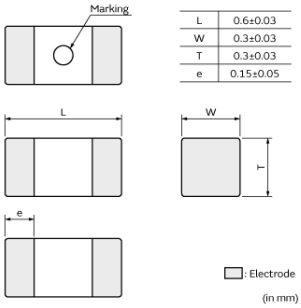
Packaging	Specifications	Standard Packing Quantity
B	Bulk(Bag)	1000
D	180mm Paper Tape	15000

Features

BLF series is designed to function nearly as a resistor at noise frequencies, which greatly reduces the possibility of resonance and leaves signal wave forms undistorted.
BLF series is effective in circuits without stable ground lines because BLF series does not need a connection to ground.
The nickel barrier structure of the external electrodes provides excellent solder heat resistance.
The BLF03VK series has a high impedance specification at a high frequency of 5GHz range, and can be used for immunity measures up to 5GHz.

Appearance & Shape





Attention
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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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BLF03VK221SNG#

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

Specifications

Shape	SMD
Size Code (in inch)	0201
Length	0.6mm
Length Tolerance	±0.03mm
Width	0.3mm
Width Tolerance	±0.03mm
Thickness	0.3mm
Thickness Tolerance	±0.03mm
Operating Temperature Range	-55℃ to 125℃
Mass(typ.)	0.22mg
Number of Circuit	1
Rated Current (at 85℃)	800mA
Rated Current (at 125℃)	500mA
DC Resistance(max.)	0.155Ω
Impedance (at Target Frequency)	220Ω±40% (at 5GHz)
Size Code (in mm)	0603

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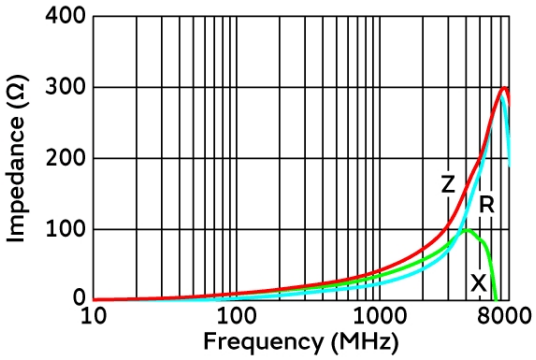
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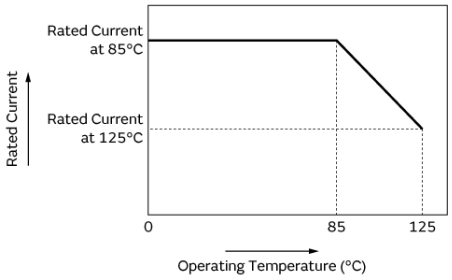
Product Data



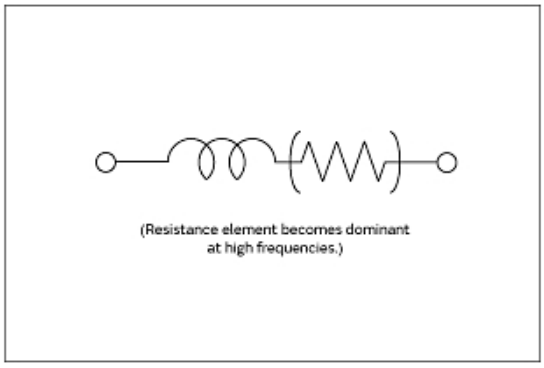
Impedance-Frequency Characteristics

In operating temperature exceeding +85°C, derating of current is necessary for this 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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