Note: This datasheet may be out of date.
Please download the latest datasheet of BLF03JD421GNE# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=BLF03JD421GNE%23

BLF03JD421GNE#

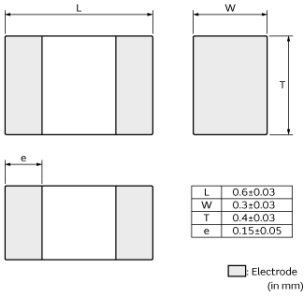
"#" indicates a package specification code.

In Production RoHS REACH

< List of part numbers with package codes >

BLF03JD421GNEB BLF03JD421GNED

Appearance & Shape



Features

1.Frequency specified filters are designed to reduce noise greatly at specified frequency.
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.
2.The nickel barrier structure of the external electrodes provides excellent solder heat resistance.
3.BLF03JD series is designed to have high impedance at 700MHz to 1GHz.
Suitable for immunity noise suppression for GSM band.

Applications

Other Usage	For general

Packaging Information

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

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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BLF03JD421GNE#

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Specifications

Shape	SMD
Size Code (in inch)	0201
Length	0.6mm
Length Tolerance	±0.03mm
Width	0.3mm
Width Tolerance	±0.03mm
Thickness	0.4mm
Thickness Tolerance	±0.03mm
Operating Temperature Range	-55℃ to 125℃
Mass(typ.)	0.4mg
Number of Circuit	1
Rated Current (at 85℃)	480mA
Rated Current (at 125℃)	370mA
DC Resistance(max.)	0.28Ω
Impedance (at Target Frequency)	420Ω±40% (at 700MHz)
Size Code (in mm)	0603

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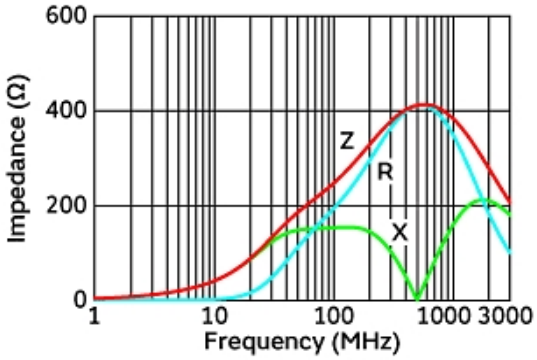
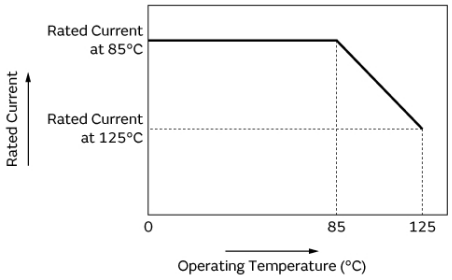
Product Data



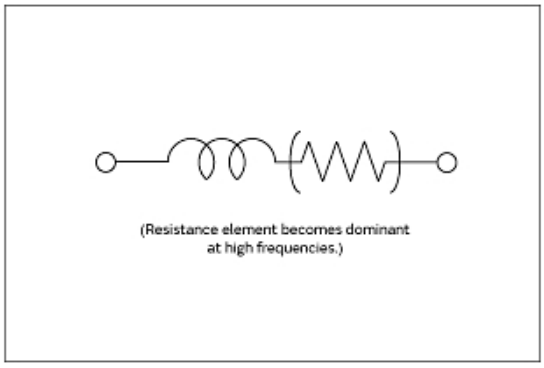
Impedance-Frequency Characteristics

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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