

BLF03JD421GNE#

Note: This datasheet may be out of date.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-gb/products/productdetail?partno=BLF03JD421GNE%23

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

In Production RoHS REACH

< List of part numbers with package codes > BLF03JD421GNEB BLF03JD421GNED

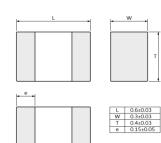


Applications

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	Canauman anuinmant
Applications	Consumer equipment

Appearance & Shape





Electrode (in mm)



Packaging Information

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

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.

1 of 3

Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's 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.

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





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-gb/products/productdetail?partno=BLF03JD421GNE%23

BLF03JD421GNE#

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

2 of 3

Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's 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.

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.





BLF03JD421GNE#

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-gb/products/productdetail?partno=BLF03JD421GNE%23

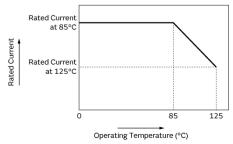
"#"at the end indicates the package specification code.



600 400 200 0 10 100 100 1000 3000 Frequency (MHz)

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



Impedance-Frequency Characteristics

Derating of Rated Current

(Resistance element becomes dominant at high frequencies.)

Equivalent Circuit

3 of 3

Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's 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.

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.

