

Product Search Data Sheet

BLF02RD471GNE#

Note: This datasheet may be out of date. Please download the latest datasheet of BLF02RD471GNE# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=BLF02RD471GNE%23

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

In Production RoHS REACH

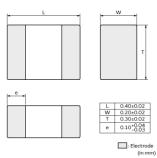
< List of part numbers with package codes > BLF02RD471GNEB BLF02RD471GNED

Applications

Unsuitable	Please be sure to read and comply with
Applications	these "Precautions for use."
Applications Specific 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 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

Appearance & Shape







Packaging Information

	Specifications	Standard
Packaging		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.BLF02RD series is designed to have high impedance at 2.4GHz. Suitable for immunity noise suppression for LTE band, WiFi band.



Attention

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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.

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Specifications

Shape	SMD
Size Code (in inch)	01005
Length	0.4mm
Length Tolerance	±0.02mm
Width	0.2mm
Width Tolerance	±0.02mm
Thickness	0.3mm
Thickness Tolerance	±0.02mm
Operating Temperature Range	-55°C to 125°C
Mass(typ.)	0.125mg
Number of Circuit	1
Rated Current (at 85°C)	200mA
Rated Current (at 125°C)	130mA
DC Resistance(max.)	0.9Ω
Impedance (at Target Frequency)	470Ω±40% (at 2.4GHz)
Size Code (in mm)	0402

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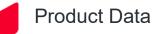


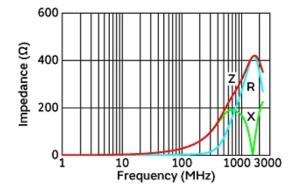
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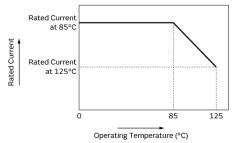
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In operating temperature exceeding +85°C, derating of current is necessary for this series. Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Impedance-Frequency Characteristics

Derating of Rated Current

(Resistance element becomes dominant at high frequencies.)

Equivalent Circuit

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