

Product Search Data Sheet

Note: If you have not downloaded this document from our official website, please note that the information provided may not be the most current.

Please download the latest datasheet of BLF02RD471GNE# from the official website of Murata

http://www.murata.com/en-sg/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



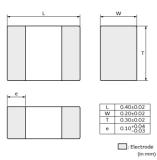
Applications

BLF02RD471GNE#

Please be sure to read and comply with	
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.	
Consumer equipment	

Appearance & Shape





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



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





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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℃ to 125℃
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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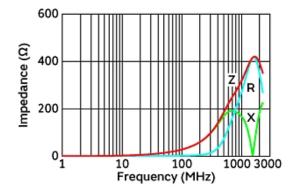
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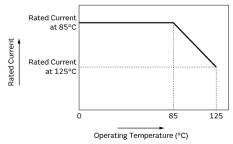
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In operating temperature exceeding +85°C, derating of current is necessary for this series. Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Impedance-Frequency Characteristics

Derating of Rated Current

(Resistance element becomes dominant at high frequencies.)

Equivalent Circuit

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