

BLF03VK221SNG#

Note: This datasheet may be out of date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/products/productdetail?partno=BLF03VK221SNG%23

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







< List of part numbers with package codes > BLF03VK221SNGB BLF03VK221SNGD



Applications

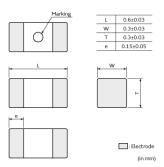
Unsuitable	Please be sure to read and comply with	
Applications	these "Precautions for use."	
	Consumer equipment, Medical	
	equipment [GHTF A/B/C] except for	
	implant & surgery & auto injector,	
	Industrial equipment except for	
	transportation & facility & energy	
	equipment	
Specific	Please refer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



Appearance & Shape









Packaging Information

		Standard
Packaging	Specifications	Packing
		Quantity
В	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.

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Attentior

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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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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°C to 125°C
Mass(typ.)	0.22mg
Number of Circuit	1
Rated Current (at 85°C)	800mA
Rated Current (at 125°C)	500mA
DC Resistance(max.)	0.155Ω
Impedance (at Target Frequency)	220Ω±40% (at 5GHz)
Size Code (in mm)	0603

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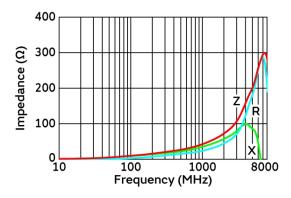
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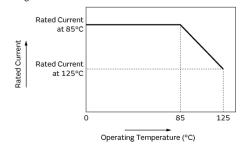




In operating temperature exceeding +85°C, derating of current is necessary for this series.

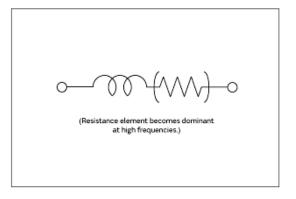
Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Impedance-Frequency Characteristics

Derating of Rated Current



Equivalent Circuit

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