

Note: This datasheet may be out of date. Please download the latest datasheet of LFB2H2G45SGFB914 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-sg/products/productdetail?partno=LFB2H2G45SGFB914

# LFB2H2G45SGFB914









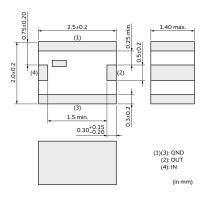


## **Applications**

Unsuitable	Please be sure to read and comply with	
Applications	these "Precautions for use."	
	Consumer equipment,Industrial	
	Equipment,Medical equipment [GHTF	
	A/B],Mobile Electronics	
	Please refer to Our Website and	
Specific	specifications, etc. for information about	
Applications	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	Consumer equipment,Industrial	
Applications	Equipment,Medical equipment [GHTF	
	A/B],Mobile Electronics	



# Appearance & Shape





# Packaging Information

Packaging	Specifications	Standard Packing Quantity
-	180mm Embossed Tape	2000



## **Features**

Ultra-small, low-profiled, lightweight chip filters based on ceramic multilayer technology.

Extremely ultra-small band-bass filters.

- 1. Ultra-small, low-profiled, lightweight band-pass filters.
- 2. Absolutely no adjustment required.
- 3. Reflow solderable.
- 4. Available in tape and reel packagings for automatic mounting.

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Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering





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# **Specifications**

Thickness(max.)	1.4mm

Applications	WiFi
Nominal Center Frequency	2450.00MHz
(fo)	2 100.0011112
Bandwidth(BW)	fo±50.00MHz
Insertion Loss in BW I)	2.30dB max. (at 25°C)
Insertion Loss in BW II)	2.60dB max. (-40 to +85°C)
Attenuation(Absolute Value)	40dB min. at DC to 824.00MHz
I)	400B Hilli. at DC to 024.00WHz
Attenuation(Absolute Value)	44.0dB min. at 824.00 to 960.
II)	00MHz
Attenuation(Absolute Value)	39.0dB min. at 960.00 to 1570.
III)	00MHz
Attenuation(Absolute Value)	40.0dB min. at 1570.00 to
IV)	1580.00MHz
Attenuation(Absolute Value)	39.0dB min. at 1580.00 to
V)	1710.00MHz
Attenuation(Absolute Value)	40.0dB min. at 1710.00 to
VI)	1785.00MHz
Attenuation(Absolute Value)	39.0dB min. at 1785.00 to
VII)	1850.00MHz
Attenuation(Absolute Value)	44.0dB min. at 1850.00 to
VIII)	1990.00MHz
Attenuation(Absolute Value)	30.0dB min. at 2110.00 to
IX)	2170.00MHz
Attenuation(Absolute Value)	7.0dB min. at 2750.00 to 3000.
X)	00MHz
Attenuation(Absolute Value)	14.0dB min. at 3000.00 to
XI)	4800.00MHz
Ripple(max.)	1.0dB
VSWR(max.)	1.9
Characteristic Impedance	
(Nom.)	50Ω
Power Capacity	500mW
Operating Temperature Range	-40°C to 85°C
L x W (size)	2.50x2.00mm

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