

# LFB2H2G45SG7A158

Note: This datasheet may be out of date.

Please download the latest datasheet of LFB2H2G45SG7A158 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=LFB2H2G45SG7A158

In Production







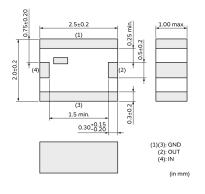


# **Applications**

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



# Appearance & Shape





## Packaging Information

Packaging	Specifications	Standard Packing Quantity
-	180mm Embossed Tape	3000



### **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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### 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.

 $2. This \ data{sheet has only typical specifications because there is no \ space for \ detailed \ specifications.}$ 

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





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# LFB2H2G45SG7A158



# **Specifications**

Applications	WiFi
Nominal Center Frequency (fo)	2450.00MHz
Bandwidth(BW)	fo±50.00MHz
Insertion Loss in BW I)	1.20dB max. (at 25°C)
Insertion Loss in BW II)	1.50dB max. (-40 to +85°C)
Attenuation(Absolute Value)	30.0dB min. at 880.00 to 915. 00MHz
Attenuation(Absolute Value)	30.0dB min. at 1710.00 to 1785.00MHz
Attenuation(Absolute Value)	35.0dB min. at 1850.00 to 1910.00MHz
Attenuation(Absolute Value) IV)	25.0dB min. at 4800.00 to 5000.00MHz
Attenuation(Absolute Value) V)	22.0dB min. at 7200.00 to 7500.00MHz
Ripple(max.)	0.8dB
VSWR(max.)	2.0
Characteristic Impedance (Nom.)	50Ω
Power Capacity	500mW
Operating Temperature Range	-40°C to 85°C
L x W (size)	2.50x2.00mm
Thickness(max.)	1.0mm

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