

LFB2H2G45SGFB914

Note: This datasheet may be out of date.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

In Production







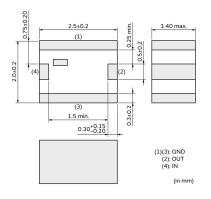


Applications

| 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 | |
| Specific Applications | 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. | |
| Decemmended | Consumer equipment,Industrial | |
| Recommended 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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Attention

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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

| Applications | WiFi |
|---------------------------------|--------------------------------|
| Nominal Center Frequency (fo) | 2450.00MHz |
| 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 |
| 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 |

| | Thickness(max.) | 1.4mm |
|-----|-----------------|-------|
| - 1 | | |

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