

Product Search Data Sheet

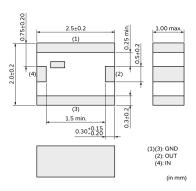
# LFB2H2G45SG7C093

In Production Recommended RoHS REACH

### 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 |  |
|              | the performance, functions, quality,       |  |
| Applications | 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              |  |
|              | Equipment,Medical equipment [GHTF          |  |
| Applications | A/B],Mobile Electronics                    |  |

### Appearance & Shape



Note: This datasheet may be out of date. Please download the latest datasheet of LFB2H2G45SG7C093 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=LFB2H2G45SG7C093

## Packaging Information

| Packaging | Specifications      | Standard<br>Packing<br>Quantity |
|-----------|---------------------|---------------------------------|
| -         | 180mm Embossed Tape | 4000                            |



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.

#### 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

| Applications                     | WiFi                          |  |
|----------------------------------|-------------------------------|--|
| Nominal Center Frequency<br>(fo) | 2450.00MHz                    |  |
| Bandwidth(BW)                    | fo±50.00MHz                   |  |
| Insertion Loss in BW I)          | 2.10dB max. (at 25°C)         |  |
| Insertion Loss in BW II)         | 2.40dB max. (-40 to +85°C)    |  |
| Attenuation(Absolute Value)      | 45dB min. at 824.00 to 915.   |  |
| l)                               | 00MHz                         |  |
| Attenuation(Absolute Value)      | 43.0dB min. at 915.00 to 960. |  |
| II)                              | 00MHz                         |  |
| Attenuation(Absolute Value)      | 40.0dB min. at 1570.00 to     |  |
| III)                             | 1580.00MHz                    |  |
| Attenuation(Absolute Value)      | 48.0dB min. at 1710.00 to     |  |
| IV)                              | 1990.00MHz                    |  |
| Attenuation(Absolute Value)      | 20.0dB min. at 2110.00 to     |  |
| V)                               | 2170.00MHz                    |  |
| Attenuation(Absolute Value)      | 12.0dB min. at 3168.00 to     |  |
| VI)                              | 4752.00MHz                    |  |
| Attenuation(Absolute Value)      | 30.0dB min. at 4800.00 to     |  |
| VII)                             | 5000.00MHz                    |  |
| Attenuation(Absolute Value)      | 30.0dB min. at 5150.00 to     |  |
| VIII)                            | 6000.00MHz                    |  |
| Attenuation(Absolute Value)      | 35.0dB min. at 6336.00 to     |  |
| IX)                              | 7920.00MHz                    |  |
| Ripple(max.)                     | 1.2dB                         |  |
| VSWR(max.)                       | 2.0                           |  |
| Characteristic Impedance         |                               |  |
| (Nom.)                           | 50Ω                           |  |
| Power Capacity                   | 1W                            |  |
| Operating Temperature<br>Range   | -40°C to 85°C                 |  |
| L x W (size)                     | 2.50x2.00mm                   |  |
| Thickness(max.)                  | 1.0mm                         |  |

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