

Please download the latest datasheet of LFB215G37SG8A180 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=LFB215G37SG8A180

Note: This datasheet may be out of date.

# LFB215G37SG8A180









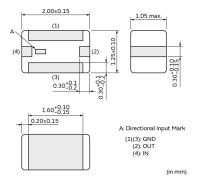


## **Applications**

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



## Appearance & Shape





## Packaging Information

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



### **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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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.





### Froduct Search Data Shee

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# **Specifications**

| Applications                     | WiFi                                     |
|----------------------------------|--|
| Nominal Center Frequency (fo)    | 5375.00MHz                               |
| Bandwidth(BW)                    | fo±475.00MHz                             |
| Insertion Loss in BW I)          | 1.80dB max. (at 25°C)                    |
| Insertion Loss in BW II)         | 2.10dB max. (-40 to +85°C)               |
| Attenuation(Absolute Value) I)   | 30.0dB min. at 500.00 to 4000.<br>00MHz  |
| Attenuation(Absolute Value)      | 35.0dB min. at 3450.00MHz                |
| Attenuation(Absolute Value) III) | 20.0dB min. at 4200.00MHz                |
| Attenuation(Absolute Value) IV)  | 15.0dB min. at 9800.00 to<br>11700.00MHz |
| Ripple(max.)                     | 1.5dB                                    |
| VSWR(max.)                       | 2.2                                      |
| Characteristic Impedance (Nom.)  | 50Ω                                      |
| Power Capacity                   | 500mW                                    |
| Operating Temperature<br>Range   | -40°C to 85°C                            |
| L x W (size)                     | 2.00x1.25mm                              |
| Thickness(max.)                  | 1.05mm                                   |

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