

# PRF21BB471QB1RA

Note: This datasheet may be out of date.

Please download the latest datasheet of PRF21BB471QB1RA from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=PRF21BB471QB1RA









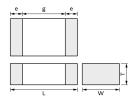
### **Applications**

| Unsuitable   | Please be sure to read and comply with     |  |  |
|--------------|--|--|--|
| Applications | these "Precautions for use."               |  |  |
|              | Consumer equipment,Industrial              |  |  |
|              | Equipment                                  |  |  |
|              | Please refer to Our Website and            |  |  |
|              | specifications, etc. for information about |  |  |
| Specific     | 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.                                   |  |  |



#### Appearance & Shape





| Part Number | Dimensions (mm) |          |          |            |          |
|-------------|-----------------|----------|----------|------------|----------|
| Part Number | L               | W        | Т        | е          | g        |
| PRF03_RL    | 0.6±0.05        | 0.3±0.05 | 0.3±0.05 | 0.1 to 0.2 | -        |
| PRF15_RC    | 1.0±0.05        | 0.5±0.05 | 0.5±0.05 | 0.1 to 0.4 | 0.3 min. |
| PRF18_RB    | 1.6±0.15        | 0.8±0.15 | 0.8±0.15 | 0.1 to 0.6 | -        |
| PRF21_RA    | 2.0±0.2         | 1.25±0.2 | 0.9±0.2  | 0.2 min.   | 0.5 min. |



#### **Packaging Information**

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



#### **Features**

- 1. SMD type is helpful for miniaturizing circuits because of its small size and light weight.
- 2. Excellent thermal response due to small size
- 3. Solid-state construction provides excellent resistance to mechanical vibration and impact resistance.
- 4. Contactless operation provides noiseless operation.
- 5. ULcertified product. (UL1434, File No. E137188)

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2. This datasheet has only typical specifications because there is no space for detailed specifications.

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## **Specifications**

| Max. Voltage                                | 32V            |
|---|----------------|
| Sensing Temperature                         | 115℃           |
| Sensing Temperature Tolerance               | ±5°C           |
| Measure Condition of<br>Sensing Temperature | at 4.7k ohm    |
| Resistance (25°C)                           | 470Ω           |
| Resistance Value Tolerance<br>(at 25°C)     | ±50%           |
| Operating Temperature<br>Range              | -20°C to 130°C |
| Size Code (in mm)                           | 2.0x1.25mm     |
| Size Code (in inch)                         | 0.8x0.5inch    |
| Shape                                       | SMD            |
| Mass  | 0.011g         |
| MSL   | 1              |

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#### Product Search Data Sheet

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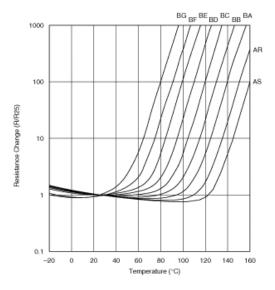
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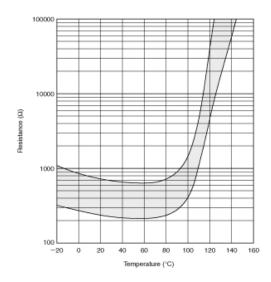
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#### **Product Data**



Resistance-Temperature Characteristics



Resistance-Temperature Characteristics Range (Reference)

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