

Product Search Data Sheet

PRF18BG471QB5RB

In Production Recommended RoHS REACH

Applications

| L la sudde la la | Discussion in a second second second beautiful |
|--------------------------|--|
| Unsuitable | Please be sure to read and comply with |
| Applications | these "Precautions for use." |
| | Consumer equipment, Industrial |
| | Equipment,Medical equipment [GHTF |
| Specific Applications | A/B] |
| | 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. |

Appearance & Shape



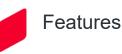
| | g | e e | | | |
|---------------|-----------------|----------|----------|------------|---------|
| Part Number | Dimensions (mm) | | | | |
| Part Nulliber | L | w | Т | е | g |
| PRF03_RL | 0.6±0.05 | 0.3±0.05 | 0.3±0.05 | 0.1 to 0.2 | - |
| PRF15_RC | 1.0±0.05 | 0.5±0.05 | 0.5±0.05 | 0.1 to 0.4 | 0.3 mir |
| 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 mir |

Note: This datasheet may be out of date. Please download the latest datasheet of PRF18BG471QB5RB from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-sg/products/productdetail?partno=PRF18BG471QB5RB

Packaging Information

| Packaging | Specifications | Standard Packing Quantity |
|-----------|------------------|---------------------------------|
| RB | 180mm Paper Tape | 4000 |



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 mechanical vibration and impact resistance.

- 4. Contactless operation provides noiseless operation.
- 5. Lead is not contained in the terminations.
- 6. UL/cULcertified product. (UL1434, File No. E137188)



Attention

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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

| Max. Voltage | 32V |
|--|---------------|
| Sensing Temperature | 65℃ |
| Sensing Temperature Tolerance | ±5℃ |
| Measure Condition of Sensing Temperature | at 4.7k ohm |
| Sensing Temperature(2) | 80℃ |
| Sensing Temperature (2) Tolerance | ±7°C |
| Measure Condition of Sensing Temperature(2) | at 47k ohm |
| Resistance (25°C) | 470Ω |
| Resistance Value Tolerance (at 25°C) | ±50% |
| Operating Temperature Range | -20°C to 90°C |
| Size Code (in mm) | 1.6x0.8mm |
| Size Code (in inch) | 0.6x0.3inch |
| Shape | SMD |
| Mass | 0.004g |
| MSL | 1 |

- > Glossary of PTC thermistors
- Related documents (UL, RoHS, etc.)

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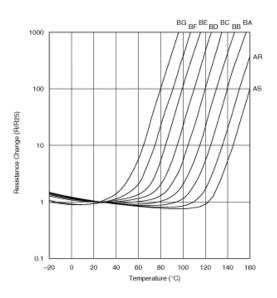


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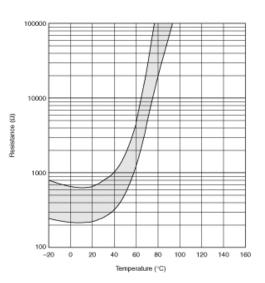
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INNOVATOR IN ELECTRONICS



Resistance-Temperature Characteristics



Resistance-Temperature Characteristics Range (Reference)

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