

Product Search Data Sheet

PRF15BB102RB6RC

In Production Recommended RoHS REACH

Applications

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



| - | • ° | | 1 | | | |
|---------------|-----------------|----------|----------|------------|---------|--|
| | | | | | | |
| - | L | • | | | | |
| 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 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Note: This datasheet may be out of date.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 PRF15BB102RB6RC from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=PRF15BB102RB6RC

Packaging Information

| Packaging | Specifications | Standard Packing Quantity |
|-----------|------------------|---------------------------------|
| RC | 180mm Paper Tape | 10000 |



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. 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 | 115℃ |
| Sensing Temperature Tolerance | ±5°C |
| Measure Condition of Sensing Temperature | at 10k ohm |
| Sensing Temperature(2) | 130℃ |
| Sensing Temperature (2) Tolerance | ±3°C |
| Measure Condition of Sensing Temperature(2) | at 100k ohm |
| Resistance (25°C) | 1κΩ |
| Resistance Value Tolerance (at 25°C) | ±50% |
| Operating Temperature Range | -40°C to 140°C |
| Size Code (in mm) | 1.0x0.5mm |
| Size Code (in inch) | 0.4x0.2inch |
| Shape | SMD |
| Mass | 0.001g |
| MSL | 1 |

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

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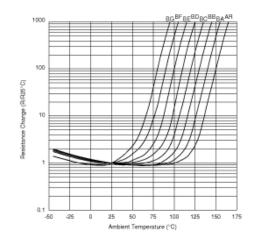
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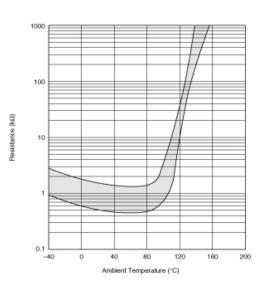
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Resistance-Temperature Charac.

Resistance-Temperature Charac. Range

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