

Product Search Data Sheet

Please download the latest datasheet of PRG15BC180MM1RC from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-gb/products/productdetail?partno=PRG15BC180MM1RC

Note: This datasheet may be out of date.

PRG15BC180MM1RC











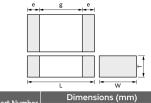
Applications

| Unsuitable | Please be sure to read and comply with | | | |
|--------------|--|--|--|--|
| Applications | these "Precautions for use." | | | |
| | Mobile Electronics,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 Nulliber | L | W | Т | е | g | |
| PRG03_RL | 0.60±0.05 | 0.30±0.05 | 0.30±0.05 | 0.10 to 0.20 | - | |
| PRG15_RC | 1.0±0.05 | 0.5±0.05 | 0.5±0.05 | 0.15 to 0.40 | - | |
| PRG18_RB | 1.6±0.15 | 0.8±0.15 | 0.8±0.15 | 0.1 to 0.6 | - | |
| PRG21_RA | 2.0±0.2 | 1.25±0.2 | 0.9±0.2 | 0.2 min. | 0.5 min. | |
| PRG21 RK | 2.0±0.2 | 1.25±0.2 | 1.25±0.2 | 0.2 min. | 0.5 min. | |



Packaging Information

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



Features

1. Rapid operation to protect the circuit in an overcurrent condition abnormality such as a short circuit.

By removing the overcurrent condition, these products automatically return to the initial condition and can be used repeatedly.

- 2. Suitable for countermeasure to short circuit test in safety
- 3. Stable resistance after operation due to ceramic PTC
- 4. Similar size (0603 size) is possible due to the large capacity for electric power.
- 5. Possible to use these products as current limiting resistors with overcurrent protection functions
- 6. SMD type is helpful for miniaturizing circuits because of its small size and light weight
- 7. UL/cULcertified product.(UL1434, File No. E137188)

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Attention

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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





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Specifications

| 24V |
|---------------|
| 47mA |
| 19mA |
| (at +85°C) |
| 98mA |
| 132mA |
| (at -20°C) |
| 1700mA |
| 18Ω |
| ±20% |
| 90℃ |
| -20°C to 85°C |
| 1.0x0.5mm |
| 0.4x0.2inch |
| SMD |
| 0.001g |
| 1 |
| |

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

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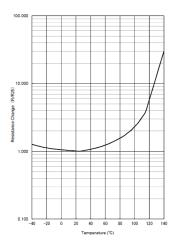
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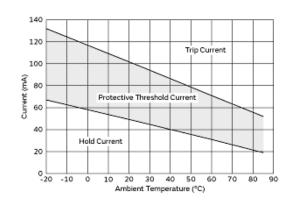
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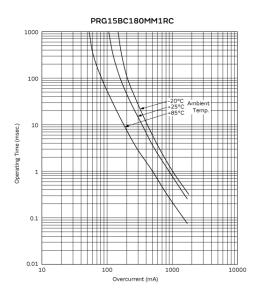
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Resistance-Temperature Charac.



Operating Time (Typical Curve)

Protective Threshold Current Range

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