

Product Search Data Sheet

Note: This datasheet may be out of date. Please download the latest datasheet of PRG15BC2R2MM1RC from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=PRG15BC2R2MM1RC

PRG15BC2R2MM1RC











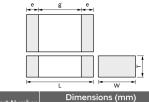
Applications

| 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 Number | 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
- 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)

1 of 3

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Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering





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Specifications

| 6V | | |
|---------------|--|--|
| 134mA | | |
| 56mA | | |
| (at +85°C) | | |
| 252mA | | |
| 335mA | | |
| (at -20°C) | | |
| 3500mA | | |
| 2.2Ω | | |
| ±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.)

2 of 3

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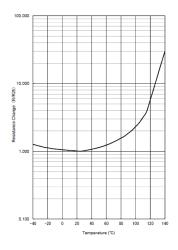
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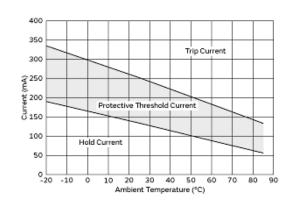
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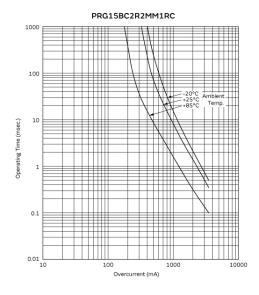
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Resistance-Temperature Charac.



Operating Time (Typical Curve)

Protective Threshold Current Range

3 of 3

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