

Product Search Data Sheet

## PRG15BC220MM1RC

In Production Recommended RoHS REACH

### 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) |           |           |              |          |  |
|----------------|-----------------|-----------|-----------|--------------|----------|--|
| i al ci tambéi | 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. |  |

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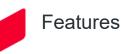
Note: If you have not downloaded this document from our official website, please note that the information provided may not be the most current.

Please download the latest datasheet of PRG15BC220MM1RC from the official website of Murata

http://www.murata.com/en/products/productdetail?partno=PRG15BC220MM1RC

## Packaging Information

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



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 standard

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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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.

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#### Max. Voltage 24V Hold Current(25°C) 43mA Hold Current (2) 17mA Measure Condition of Hold (at +85°C) Current (2) Trip Current(25°C) 90mA Trip Current(2) 119mA Measure Condition of Trip (at -20°C) Current(2) Max. Current 1400mA Resistance (25°C) 22Ω Resistance Value Tolerance ±20% (at 25°C) Curie Point(typ.) 90°C **Operating Temperature** -20°C to 85°C Range 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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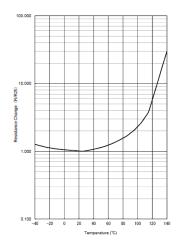
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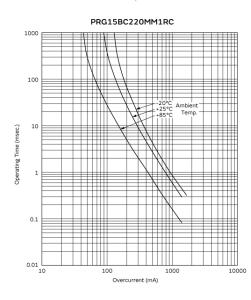
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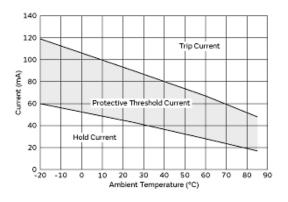
INNOVATOR IN ELECTRONI







Operating Time (Typical Curve)



Protective Threshold Current Range

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