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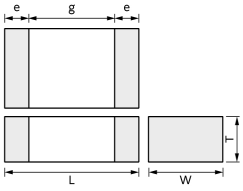
http://www.murata.com/en-us/products/productdetail?partno=PRG18BC100MM1RB

# PRG18BC100MM1RB

NRND RoHS REACH

## Appearance & Shape






| Part Number | Dimensions (mm) | | | | |
|---|---|---|---|---|---|
| | L | W | T | e | 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. |

## 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 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.Lead is not contained in the terminations

## Applications

| | |
|---|---|
| Limited Usage | Consumer Grade |

## Packaging Information

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



**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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# PRG18BC100MM1RB

## Specifications

| | |
|---|---|
| Max. Voltage | 30V |
| Hold Current(25℃) | 80mA |
| Measure Condition of Hold Current | (at +25℃) |
| Hold Current (2) | 33mA |
| Measure Condition of Hold Current (2) | (at +85℃) |
| Trip Current | 165mA |
| Measure Condition of Trip Current | (at +25℃) |
| Trip Current(2) | 235mA |
| Measure Condition of Trip Current(2) | (at -20℃) |
| Max. Current | 3800mA |
| Resistance (25℃) | 10Ω |
| Resistance Value Tolerance (at 25℃) | ±20% |
| Curie Point(typ.) | 90℃ |
| Operating Temperature Range | -20℃ to 85℃ |
| Size Code (in mm) | 1.6x0.8mm |
| Size Code (in inch) | 0.6x0.3inch |
| Shape | SMD |
| Mass | 0.004g |



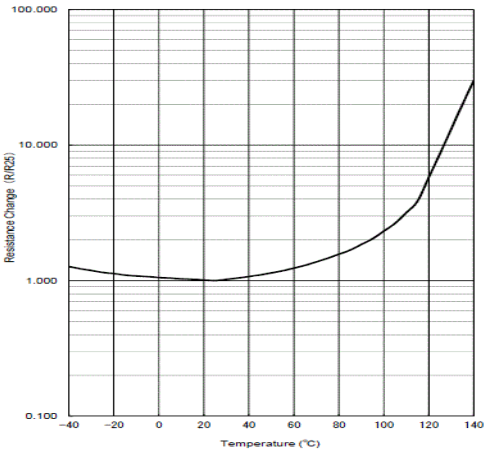
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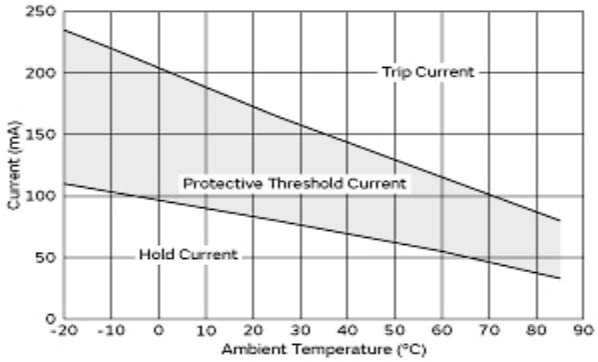
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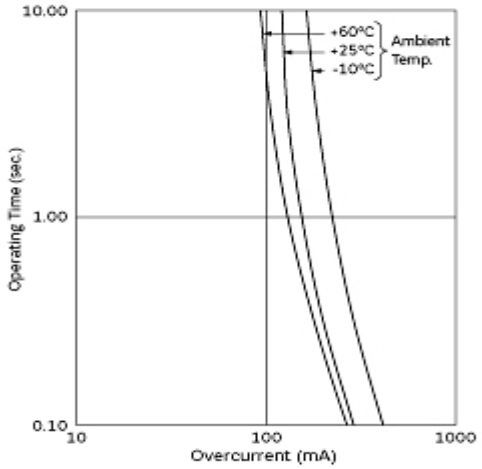
## Product Data




Resistance-Temperature Charac.




Protective Threshold Current Range




Operating Time (Typical Curve)



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