

# PRG18BC100MM1RB

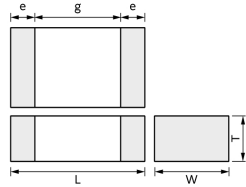
In Production

Recommended

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
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## Packaging Information

Packaging	Specifications	Minimum Order Quantity
RB	180mm Paper Tape	4000

### Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its specifications are subject to change or our products in it may be discontinued 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	30V
Hold Current(25°C)	80mA
Measure Condition of Hold Current	(at +25°C)
Hold Current (2)	33mA
Measure Condition of Hold Current (2)	(at +85°C)
Trip Current	165mA
Measure Condition of Trip Current	(at +25°C)
Trip Current(2)	235mA
Measure Condition of Trip Current(2)	(at -20°C)
Max. Current	3800mA
Resistance (25°C)	10Ω
Resistance Value Tolerance (at 25°C)	±20%
Curie Point(typ.)	90°C
Operating Temperature Range	-20°C to 85°C
Size Code (in mm)	1.6x0.8mm
Size Code (in inch)	0.6x0.3inch
Shape	SMD
Mass	0.004g

### Attention

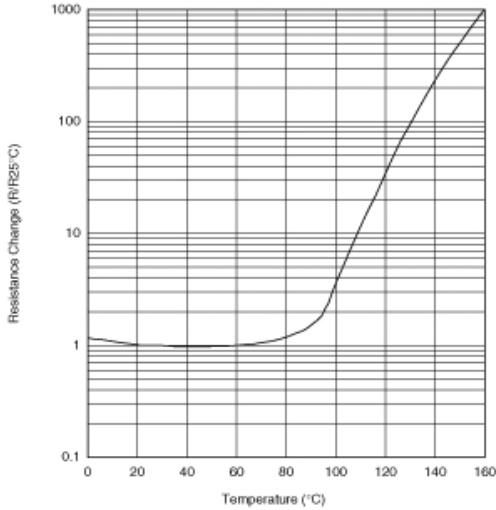
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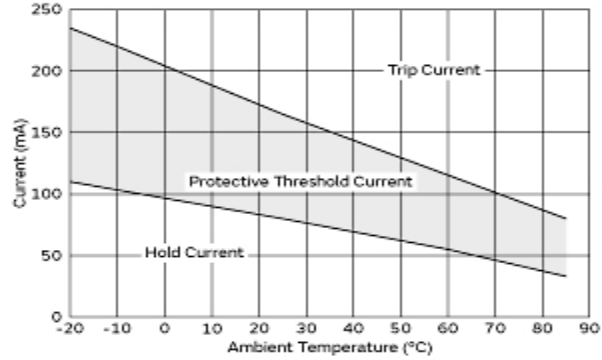
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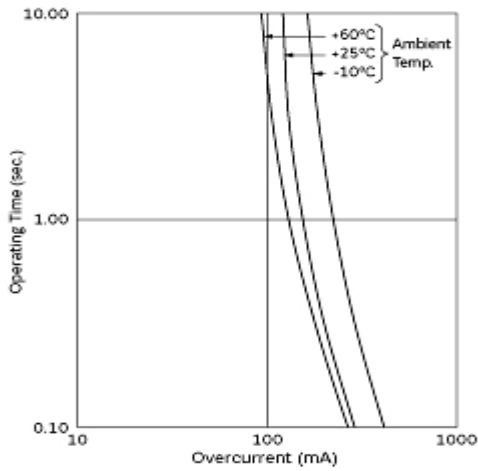
## Product Data



Resistance-Temperature Charac.



Protective Threshold Current Range



Operating Time (Typical Curve)

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