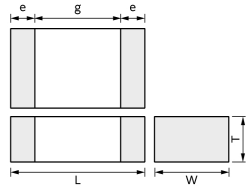


PRG03BC181QB6RL



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. Recognized by UL/cUL (UL1434, File No.E137188).

Applications

Limited Usage	Mobile Application, Tablet PC, Wearable
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Packaging Information

Packaging	Specifications	Standard Packing Quantity
RL	180mm Paper Tape	15000

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.

PRG03BC181QB6RL



Specifications

Max. Voltage	13V
Hold Current(25°C)	14mA
Measure Condition of Hold Current	(at +25°C)
Hold Current (2)	8mA
Measure Condition of Hold Current (2)	(at +60°C)
Hold Current (3)	4mA
Measure Condition of Hold Current (3)	(at +75°C)
Trip Current	36mA
Measure Condition of Trip Current	(at +25°C)
Trip Current(2)	46mA
Measure Condition of Trip Current(2)	(at -20°C)
Max. Current	93mA
Resistance (25°C)	180Ω
Resistance Value Tolerance (at 25°C)	±40Ω
Curie Point(typ.)	90°C
Operating Temperature Range	-20°C to 60°C
Size Code (in mm)	0.6x0.3mm
Size Code (in inch)	0.2x0.1inch
Shape	SMD
Mass	0.00026g

Attention

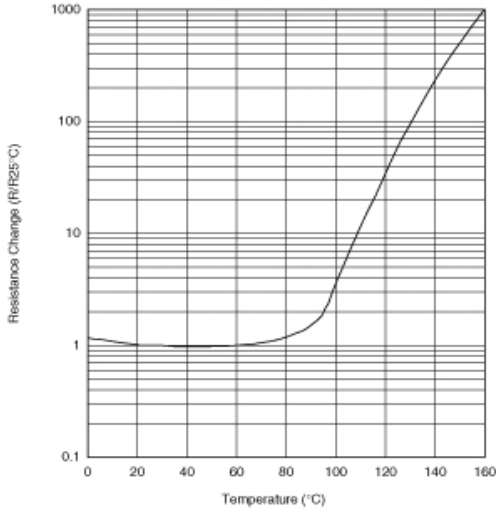
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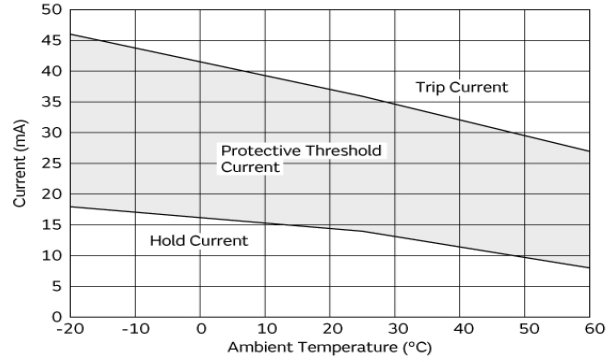
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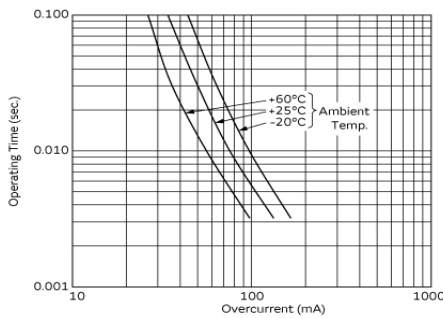
Product Data



Resistance-Temperature Charac.



Protective Threshold Current Range



Operating Time (Typical Curve)

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