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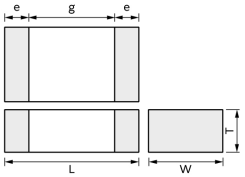
http://www.murata.com/en/products/productdetail?partno=PRG15BC2R2MM1RC

PRG15BC2R2MM1RC

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. UL/cULcertified product.(UL1434, File No. E137188)

Applications

Limited Usage	Consumer Grade

Packaging Information

Packaging	Specifications	Standard Packing Quantity
RC	180mm Paper Tape	10000

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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PRG15BC2R2MM1RC

Specifications

Max. Voltage	6V
Hold Current(25℃)	134mA
Measure Condition of Hold Current	(at +25℃)
Hold Current (2)	56mA
Measure Condition of Hold Current (2)	(at +85℃)
Trip Current(25℃)	252mA
Measure Condition of Trip Current	(at +25℃)
Trip Current(2)	335mA
Measure Condition of Trip Current(2)	(at -20℃)
Max. Current	3500mA
Resistance (25℃)	2.2Ω
Resistance Value Tolerance (at 25℃)	±20%
Curie Point(typ.)	90℃
Operating Temperature Range	-20℃ to 85℃
Size Code (in mm)	1.0x0.5mm
Size Code (in inch)	0.4x0.2inch
Shape	SMD
Mass	0.001g
MSL	1

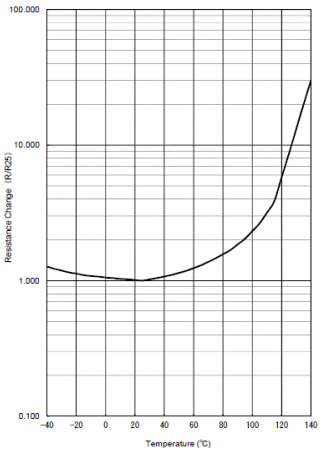
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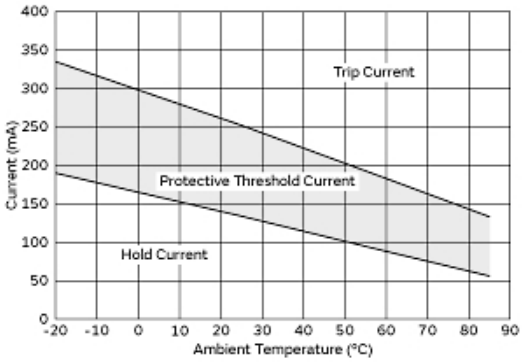
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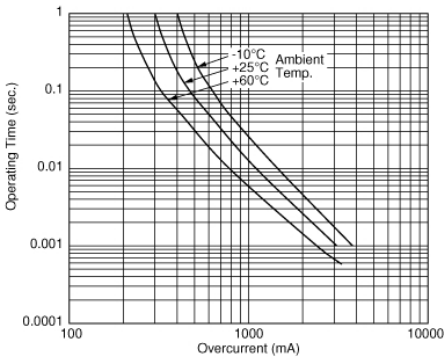
Product Data



Resistance-Temperature Charac.



Protective Threshold Current Range



Operating Time (Typical Curve)

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