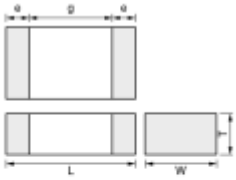
Note: This datasheet may be out of date.
Please download the latest datasheet of PRG21BC6R8MM1RK from the official website of Murata Manufacturing Co., Ltd.
https://www.murata.com/en-us/products/productdetail?partno=PRG21BC6R8MM1RK

PRG21BC6R8MM1RK

In Production | Recommended | RoHS | REACH

Appearance & Shape





Part Number	Dimensions (mm)				
	L	W	T	e	g
PRG15_RC	1.0±0.05	0.5±0.05	0.5±0.05	0.15 to 0.4	-
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	Minimum Order Quantity
RK	180mm Embossed Tape	3000

Attention
1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's 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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PRG21BC6R8MM1RK

Specifications

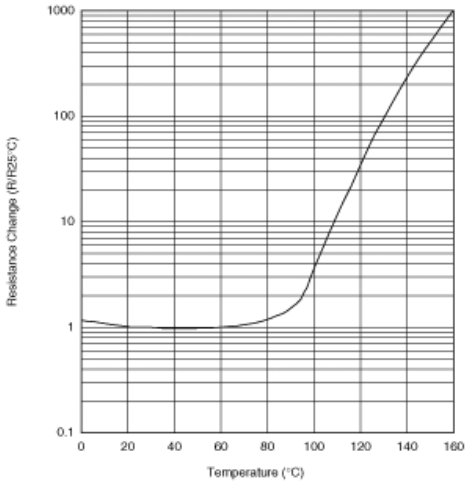
Max. Voltage	32V
Hold Current	67mA
Measure Condition of Hold Current	(at +85°C)
Hold Current (2)	120mA
Measure Condition of Hold Current (2)	(at +25°C)
Trip Current	260mA
Measure Condition of Trip Current	(at +25°C)
Trip Current(2)	335mA
Measure Condition of Trip Current(2)	(at -20°C)
Max. Current	58900mA
Resistance (25°C)	6.8Ω
Resistance Value Tolerance (at 25°C)	±20%
Operating Temperature Range	-20°C to 85°C
Size Code (in mm)	2.0x1.25mm
Size Code (in inch)	0.8x0.5inch
Shape	SMD
Mass	0.014g

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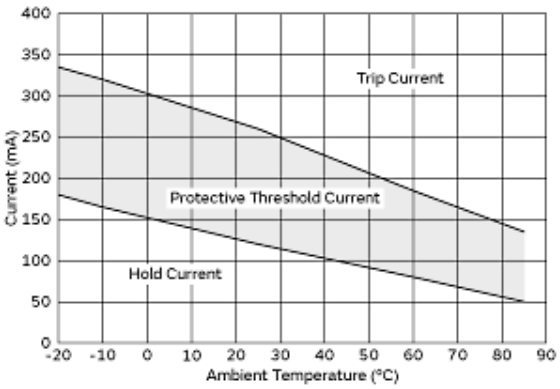
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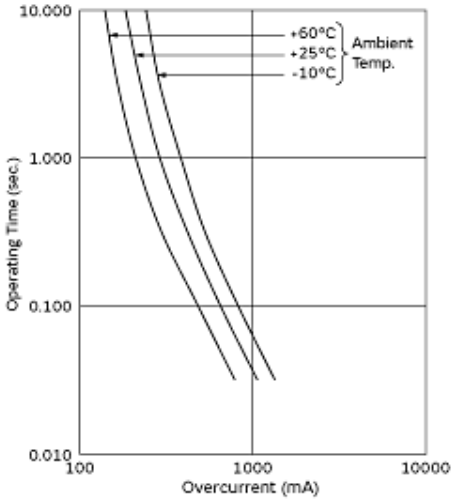
Product Data



Resistance-Temperature Charac.



Protective Threshold Current Range



Operating Time (Typical Curve)

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