

#### Product Search Data Sheet

Please download the latest datasheet of PRG21BC3R3MM1RK from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-gb/products/productdetail?partno=PRG21BC3R3MM1RK

Note: This datasheet may be out of date.

## PRG21BC3R3MM1RK











### **Applications**

Unsuitable	Please be sure to read and comply with		
Applications	these "Precautions for use."		
Applications  Specific Applications	these "Precautions for use."  Consumer equipment,Industrial  Equipment,Medical equipment [GHTF A/B]  Please refer to Our Website and specifications, etc. for information about the performance, functions, quality, management, and safety required for the above applications, and use Products after confirming the performance and reliability of the actual		
	Product.		



### Appearance & Shape





	_					
Part Number	Dimensions (mm)					
Part Number	L	W	Т	е	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.	



### Packaging Information

Packaging	Specifications	Standard Packing Quantity
RK	180mm Embossed Tape 3000	



### **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)

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#### 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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# **Specifications**

Max. Voltage	30V		
Hold Current(25°C)	180mA		
Hold Current (2)	75mA		
Measure Condition of Hold Current (2)	(at +85°C)		
Trip Current(25°C)	400mA		
Trip Current(2)	500mA		
Measure Condition of Trip Current(2)	(at -20°C)		
Max. Current	11000mA		
Resistance (25°C)	3.3Ω		
Resistance Value Tolerance (at 25°C)	±20%		
Curie Point(typ.)	90℃		
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		
MSL	1		

- Glossary of PTC thermistors
- Related documents (UL, RoHS, etc.)

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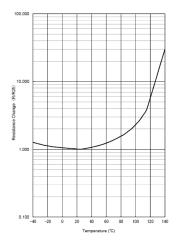
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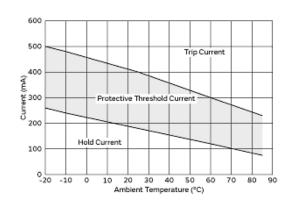
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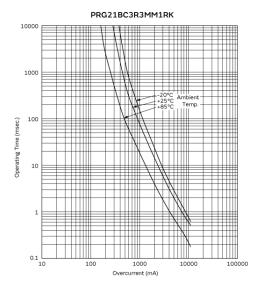
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### Resistance-Temperature Charac.



# Protective Threshold Current Range

Operating Time (Typical Curve)

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