

Product Search Data Sheet

## PRG21BC4R7MM1RA

In Production Recommended RoHS REACH

### Applications

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

### Appearance & Shape



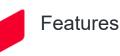
e •••	g e ◆ →   ◆ →		-   			
-	L					
Part Number	Dimensions (mm)					
Part Number	L	W	Т	е	g	
PRG03_RL	0.60±0.05	0.30±0.05	0.30±0.05	0.10 to 0.20	-	
PRG15_RC	1.0±0.05	0.5±0.05	0.5±0.05	0.15 to 0.40	-	
PRG18_RB	1.6±0.15	0.8±0.15	0.8±0.15	0.1 to 0.6	-	
PRG18_RB PRG21_RA			0.8±0.15 0.9±0.2		– 0.5 min.	

Note: This datasheet may be out of date. Please download the latest datasheet of PRG21BC4R7MM1RA from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=PRG21BC4R7MM1RA

## Packaging Information

Packaging	Specifications	Standard Packing Quantity
RA	180mm Embossed Tape	4000



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)

1 of 3

#### 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)	155mA
Hold Current (2)	60mA
Measure Condition of Hold Current (2)	(at +85℃)
Trip Current(25°C)	330mA
Trip Current(2)	420mA
Measure Condition of Trip Current(2)	(at -20°C)
Max. Current	8000mA
Resistance (25°C)	4.7Ω
Resistance Value Tolerance (at 25°C)	±20%
Curie Point(typ.)	90°C
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	0.009g
MSL	1

Glossary of PTC thermistors

Related documents (UL, RoHS, etc.)

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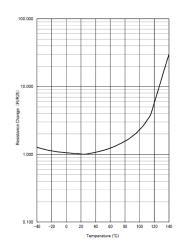
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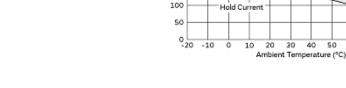
Trip Current

http://www.murata.com/en/products/productdetail?partno=PRG21BC4R7MM1RA

### Product Data

INNOVATOR IN ELECTRONIC





450 400

350 300

£250

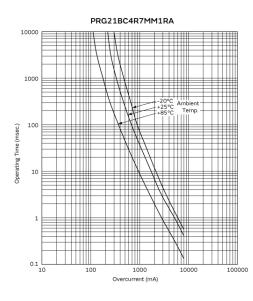
150 100

#### Protective Threshold Current Range

Protective Threshold Curren

30 40 50 60 70 80 90





Operating Time (Typical Curve)

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