

#### **Product Search Data Sheet**

Note: This datasheet may be out of date. Please download the latest datasheet of PRG18BC6R8MM1RB from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=PRG18BC6R8MM1RB

## PRG18BC6R8MM1RB











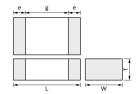
### **Applications**

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)					
Pait Nullibei	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
RB	180mm Paper Tape 4000	



### **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
- 3. Stable resistance after operation due to ceramic PTC
- 4. Similar size (0603 size) is possible due to the large capacity for
- 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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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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## PRG18BC6R8MM1RB



## **Specifications**

Max. Voltage	20V
Hold Current(25°C)	120mA
Hold Current (2)	45mA
Measure Condition of Hold Current (2)	(at +85°C)
Trip Current(25°C)	260mA
Trip Current(2)	335mA
Measure Condition of Trip Current(2)	(at -20°C)
Max. Current	3500mA
Resistance (25°C)	6.8Ω
Resistance Value Tolerance (at 25°C)	±20%
Curie Point(typ.)	90℃
Operating Temperature Range	-20°C to 85°C
Size Code (in mm)	1.6x0.8mm
Size Code (in inch)	0.6x0.3inch
Shape	SMD
Mass	0.004g
MSL	1

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

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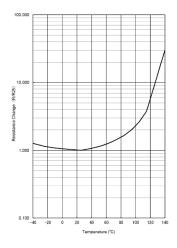
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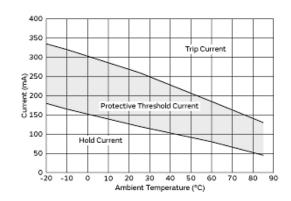
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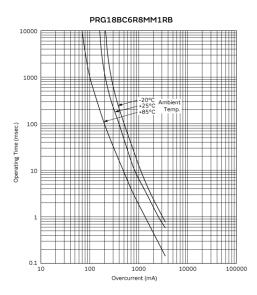
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#### Resistance-Temperature Charac.



### Operating Time (Typical Curve)

Protective Threshold Current Range

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