

#### Product Search Data Sheet

Please download the latest datasheet of PRG15BC680MM1RC from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=PRG15BC680MM1RC

Note: This datasheet may be out of date.

## PRG15BC680MM1RC











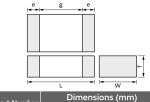
### **Applications**

Unsuitable	Please be sure to read and comply with		
Applications	these "Precautions for use."		
	Mobile Electronics,Consumer		
	equipment,Industrial Equipment		
	Please refer to Our Website and		
	specifications, etc. for information about		
Specific	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





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
RC	180mm Paper Tape	10000



### **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 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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## PRG15BC680MM1RC



## **Specifications**

Max. Voltage	30V
Hold Current(25°C)	26mA
Hold Current (2)	10mA
Measure Condition of Hold Current (2)	(at +85°C)
Trip Current(25°C)	52mA
Trip Current(2)	69mA
Measure Condition of Trip Current(2)	(at -20°C)
Max. Current	600mA
Resistance (25°C)	68Ω
Resistance Value Tolerance (at 25°C)	±20%
Curie Point(typ.)	90℃
Operating Temperature Range	-20°C to 85°C
Size Code (in mm)	1.0x0.5mm
Size Code (in inch)	0.4x0.2inch
Shape	SMD
Mass	0.001g
MSL	1

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

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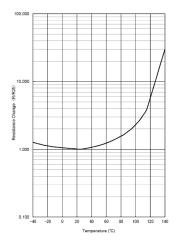
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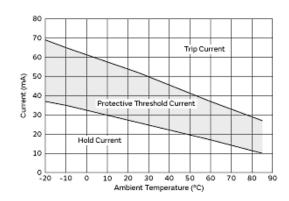
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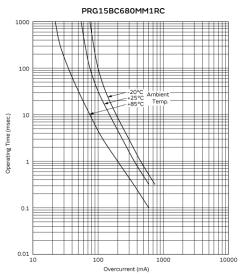
# PRG15BC680MM1RC







### Resistance-Temperature Charac.



# Operating Time (Typical Curve)

Protective Threshold Current Range

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