

### **Product Search Data Sheet**

Please download the latest datasheet of PRG18BB101MB1RB from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-sg/products/productdetail?partno=PRG18BB101MB1RB

Note: This datasheet may be out of date.

## PRG18BB101MB1RB











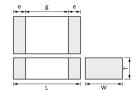
# **Applications**

Unsuitable	Please be sure to read and comply with		
Applications	these "Precautions for use."		
Specific Applications	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 Nulliber	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 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	24V
Hold Current(25°C)	21mA
Hold Current (2)	12mA
Measure Condition of Hold Current (2)	(at +75°C)
Trip Current(25°C)	45mA
Trip Current(2)	56mA
Measure Condition of Trip Current(2)	(at -20°C)
Max. Current	300mA
Resistance (25°C)	100Ω
Resistance Value Tolerance (at 25°C)	±20%
Curie Point(typ.)	100°C
Operating Temperature Range	-20°C to 75°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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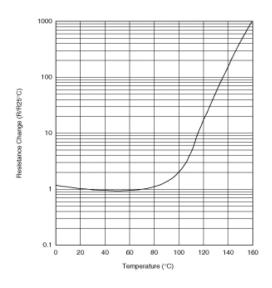
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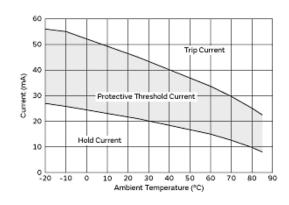
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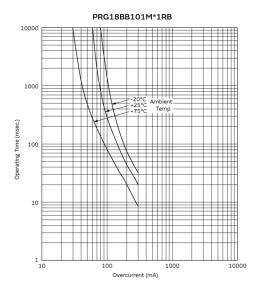


## **Product Data**





### Resistance-Temperature Charac.



Operating Time (Typical Curve)

## Protective Threshold Current Range

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