

Product Search Data Sheet

## PRG18BC100MM1RB

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,
	management, and safety required for
	the above applications, and use
	Products after confirming the
	performance and reliability of the actual
	Product.

### Appearance & Shape



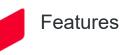
<del></del>	<u>م</u>		1			
-	L					
	Dimensions (mm)					
		Dimen	sions (I	mm)		
Part Number	L	Dimen W	sions (ı T	mm) e	g	
	L	W	Т	,	g -	
	L 0.60±0.05	W 0.30±0.05	т 0.30±0.05	e 0.10 to 0.20	g - -	
PRG03_RL	L 0.60±0.05 1.0±0.05	W 0.30±0.05 0.5±0.05	T 0.30±0.05 0.5±0.05	e 0.10 to 0.20 0.15 to 0.40	g - -	
PRG03_RL PRG15_RC	L 0.60±0.05 1.0±0.05 1.6±0.15	VV 0.30±0.05 0.5±0.05 0.8±0.15	T 0.30±0.05 0.5±0.05 0.8±0.15	e 0.10 to 0.20 0.15 to 0.40 0.1 to 0.6	g - - 0.5 min.	

Note: This datasheet may be out of date. Please download the latest datasheet of PRG18BC100MM1RB from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-gb/products/productdetail?partno=PRG18BC100MM1RB

## Packaging Information

Packaging	Specifications	Standard Packing Quantity
RB	180mm Paper 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





# PRG18BC100MM1RB

Note: This datasheet may be out of date. Please download the latest datasheet of PRG18BC100MM1RB from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-gb/products/productdetail?partno=PRG18BC100MM1RB

## Specifications

Max. Voltage	30V
Hold Current(25°C)	80mA
Hold Current (2)	33mA
Measure Condition of Hold Current (2)	(at +85℃)
Trip Current(25°C)	165mA
Trip Current(2)	235mA
Measure Condition of Trip Current(2)	(at -20°C)
Max. Current	3800mA
Resistance (25°C)	10Ω
Resistance Value Tolerance (at 25°C)	±20%
Curie Point(typ.)	90°C
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.)

### 2 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.



Product Search Data Sheet

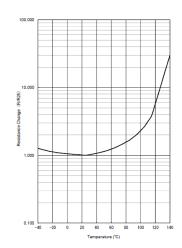


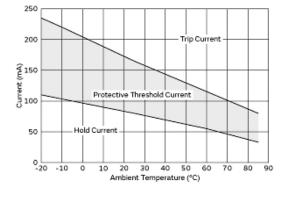
Note: This datasheet may be out of date. Please download the latest datasheet of PRG18BC100MM1RB from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-gb/products/productdetail?partno=PRG18BC100MM1RB

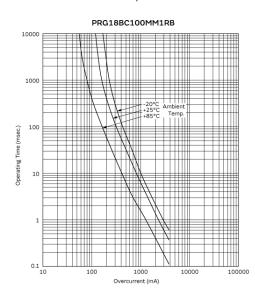
Product Data

INNOVATOR IN ELECTRONIC





Resistance-Temperature Charac.



Operating Time (Typical Curve)

Protective Threshold Current Range

3 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.

