

Note: This datasheet may be out of date. Please download the latest datasheet of PRG21BB220MB1RK from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=PRG21BB220MB1RK

# PRG21BB220MB1RK











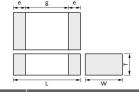
# **Applications**

Unsuitable	Please be sure to read and comply with		
Applications	these "Precautions for use."		
Applications  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 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
RK	3000 3000 3000	



### **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)

1 of 3

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.  ${\it Please download the latest datasheet of PRG21BB220MB1RK from the official website of Murata}$ Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=PRG21BB220MB1RK

# PRG21BB220MB1RK



# **Specifications**

Max. Voltage	20V	
Hold Current(25°C)	44mA	
Hold Current (2)	30mA	
Measure Condition of Hold Current (2)	(at +60°C)	
Trip Current(25°C)	91mA	
Trip Current(2)	110mA	
Measure Condition of Trip Current(2)	(at -10°C)	
Max. Current	1100mA	
Resistance (25°C)	22Ω	
Resistance Value Tolerance (at 25°C)	±20%	
Curie Point(typ.)	100°C	
Operating Temperature Range	-10°C to 60°C	
Size Code (in mm)	2.0x1.25mm	
Size Code (in inch)	0.8x0.5inch	
Shape	SMD	
Mass	0.017g	
MSL	1	

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

2 of 3

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

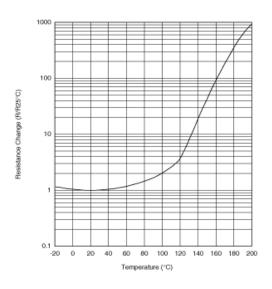
#### Note: This datasheet may be out of date. Please download the latest datasheet of PRG21BB220MB1RK from the official website of Murata Manufacturing Co., Ltd.

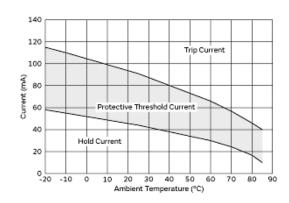
http://www.murata.com/en/products/productdetail?partno=PRG21BB220MB1RK

# PRG21BB220MB1RK

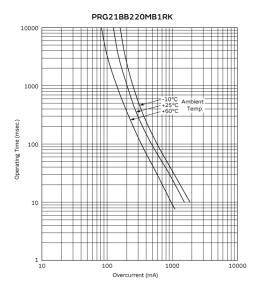


## **Product Data**





### Resistance-Temperature Charac.



Operating Time (Typical Curve)

## Protective Threshold Current Range

3 of 3

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.

