

#### Product Search Data Sheet

Please download the latest datasheet of PRG21BB220MB1RK from the official website of Murata Manufacturing Co., Ltd.

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

Note: This datasheet may be out of date.

## PRG21BB220MB1RK











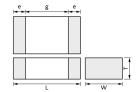
### **Applications**

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 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	180mm Embossed Tape 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 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





### 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-sg/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℃
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

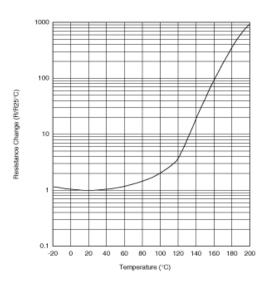
Note: This datasheet may be out of date. Please download the latest datasheet of PRG21BB220MB1RK from the official website of Murata Manufacturing Co., Ltd.

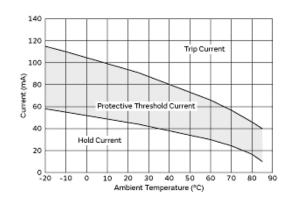
http://www.murata.com/en-sg/products/productdetail?partno=PRG21BB220MB1RK

# PRG21BB220MB1RK

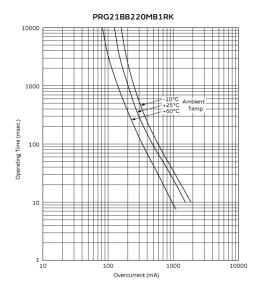


### **Product Data**





#### Resistance-Temperature Charac.



### Protective Threshold Current Range

Operating Time (Typical Curve)

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.

