

Product Search Data Sheet

Please download the latest datasheet of PRG18BB471MB1RB from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-gb/products/productdetail?partno=PRG18BB471MB1RB

Note: This datasheet may be out of date.

PRG18BB471MB1RB











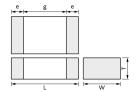
Applications

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 Sp		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
- 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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Manufacturing Co., Ltd.



Specifications

Max. Voltage 24V Hold Current(25°C) 10mA Measure Condition of Hold Current (2) (at +75°C) Trip Current(25°C) 21mA Trip Current(2) 26mA Measure Condition of Trip Current(2) (at -20°C) Max. Current 60mA Resistance (25°C) 470Ω 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		
Hold Current (2) 5mA Measure Condition of Hold Current (2) (at +75°C) Trip Current(25°C) 21mA Trip Current(2) 26mA Measure Condition of Trip Current(2) (at -20°C) Max. Current 60mA Resistance (25°C) 470Ω 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	Max. Voltage	24V
Measure Condition of Hold Current (2) Trip Current(25°C) 21mA Trip Current(2) Measure Condition of Trip Current(2) Max. Current 60mA Resistance (25°C) Resistance Value Tolerance (at 25°C) Curie Point(typ.) Operating Temperature Range Size Code (in mm) Size Code (in inch) Shape Mass Mass Mass Onuse Max. (at +75°C) CumA (at -20°C) (by (at -20°C) (at -20°C) (at -20°C) (by (at -20°C) (by (at -20°C) (ct -20°C)	Hold Current(25°C)	10mA
Current (2) (at +75°C) Trip Current(25°C) 21mA Measure Condition of Trip Current(2) (at -20°C) Max. Current 60mA Resistance (25°C) 470Ω 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	Hold Current (2)	5mA
Trip Current(2) Measure Condition of Trip Current(2) Max. Current 60mA Resistance (25°C) 470Ω Resistance Value Tolerance (at 25°C) Curie Point(typ.) 100°C Operating Temperature Range Size Code (in mm) 1.6x0.8mm Size Code (in inch) Shape Mass 0.004g		(at +75°C)
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Operating Temperature Range Size Code (in mm) 1.6x0.8mm Size Code (in inch) 0.6x0.3inch Shape SMD Mass 0.004g		±20%
Code (in mm) Code (in inch) Code (Curie Point(typ.)	100°C
Size Code (in inch) 0.6x0.3inch Shape SMD Mass 0.004g		-20°C to 75°C
Shape SMD Mass 0.004g	Size Code (in mm)	1.6x0.8mm
Mass 0.004g	Size Code (in inch)	0.6x0.3inch
	Shape	SMD
MSL 1	Mass	0.004g
	MSL	1

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

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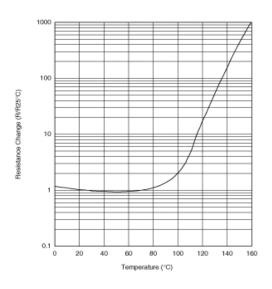
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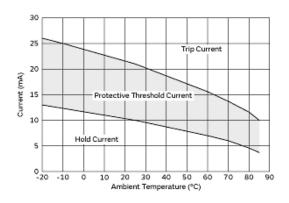
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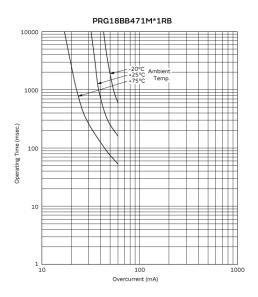


Product Data





Resistance-Temperature Charac.



Protective Threshold Current Range

Operating Time (Typical Curve)

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