

Product Search Data Sheet

# PRF18BG471QB5RB

In Production Recommended RoHS REACH

### Applications

Unsuitable	Diagon ha gure to read and comply with
Unsultable	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
	the performance, functions, quality,
Applications	management, and safety required for
	the above applications, and use
	Products after confirming the
	performance and reliability of the actual
	Product.

## Appearance & Shape



	e				
Part Number	Dimensions (mm)				
Part Number	L	W	Т		g
PRF03_RL	0.6±0.05	0.3±0.05	0.3±0.05	0.1 to 0.2	-
PRF15_RC	1.0±0.05	0.5±0.05	0.5±0.05	0.1 to 0.4	0.3 mir
PRF18_RB	1.6±0.15	0.8±0.15	0.8±0.15	0.1 to 0.6	-
PRF21_RA	2.0±0.2	1.25±0.2	0.9±0.2	0.2 min.	0.5 mir

Note: This datasheet may be out of date. Please download the latest datasheet of PRF18BG471QB5RB from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=PRF18BG471QB5RB

# Packaging Information

Packaging		Standard Packing Quantity
RB	180mm Paper Tape	4000



1. SMD type is helpful for miniaturizing circuits because of its small size and light weight.

2. Excellent thermal response due to small size

3. Solid-state construction provides excellent mechanical vibration and impact resistance.

- 4. Contactless operation provides noiseless operation.
- 5. Lead is not contained in the terminations.
- 6. UL/cULcertified product. (UL1434, File No. E137188)



#### 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	32V
Sensing Temperature	65°C
Sensing Temperature Tolerance	±5℃
Measure Condition of Sensing Temperature	at 4.7k ohm
Sensing Temperature(2)	80°C
Sensing Temperature (2) Tolerance	±7°C
Measure Condition of Sensing Temperature(2)	at 47k ohm
Resistance (25°C)	470Ω
Resistance Value Tolerance (at 25°C)	±50%
Operating Temperature Range	-20°C to 90°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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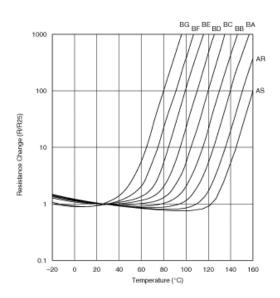
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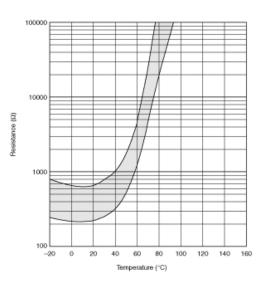


INNOVATOR IN ELECTRONICS

### Product Data



**Resistance-Temperature Characteristics** 



Resistance-Temperature Characteristics Range (Reference)

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