

### INOVATOR IN ELECTRONICS

Note: This datasheet may be out of date.

Please download the latest datasheet of PRF21BC471QB5RA from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-sg/products/productdetail?partno=PRF21BC471QB5RA

# PRF21BC471QB5RA











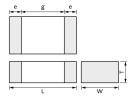
## **Applications**

Unsuitable	Please be sure to read and comply with		
Applications	these "Precautions for use."		
	Consumer equipment,Industrial		
	Equipment		
	Please refer to Our Website and		
	specifications, etc. for information about		
Specific	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





Part Number	Dimensions (mm)				
Part Number	L	w	Т	е	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 min.
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 min.



## Packaging Information

Packaging	Specifications	Standard Packing Quantity
RA	180mm Embossed Tape	4000



### **Features**

- 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. ULcertified product. (UL1434, File No. E137188)

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2. This datasheet has only typical specifications because there is no space for detailed specifications.

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### Product Search Data Snee

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## **Specifications**

Max. Voltage	32V
Sensing Temperature	105°C
Sensing Temperature Tolerance	±5°C
Measure Condition of Sensing Temperature	at 4.7k ohm
Resistance (25°C)	470Ω
Resistance Value Tolerance (at 25°C)	±50%
Operating Temperature Range	-20°C to 120°C
Size Code (in mm)	2.0x1.25mm
Size Code (in inch)	0.8x0.5inch
Shape	SMD
Mass	0.011g
MSL	1

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

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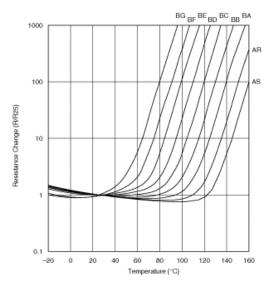
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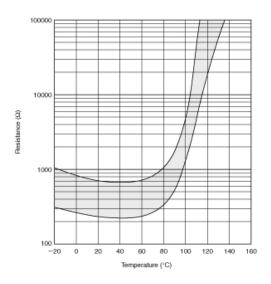
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## **Product Data**



Resistance-Temperature Characteristics



Resistance-Temperature Characteristics Range (Reference)

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