

Note: This datasheet may be out of date. Please download the latest datasheet of PRF18BA471QB5RB from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=PRF18BA471QB5RB

### PRF18BA471QB5RB











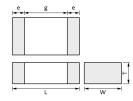
### **Applications**

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
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
RB	180mm Paper 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. UL/cULcertified product. (UL1434, File No. E137188)

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### **Specifications**

Max. Voltage	32V		
- Wax. Vollage	02.0		
Sensing Temperature	125°C		
Sensing Temperature	±5°C		
Tolerance	13 C		
Measure Condition of	at 4.7k ohm		
Sensing Temperature	at in to simi		
Sensing Temperature(2)	140°C		
Sensing Temperature (2)	±7°C		
Tolerance			
Measure Condition of	at 47k ohm		
Sensing Temperature(2)	at 47 K Offin		
Resistance (25°C)	470Ω		
Resistance Value Tolerance	±50%		
(at 25°C)			
Operating Temperature	-20°C to 150°C		
Range	-20 € 10 130 €		
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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#### Product Search Data Sheet

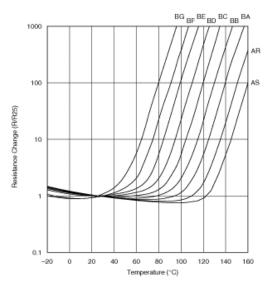
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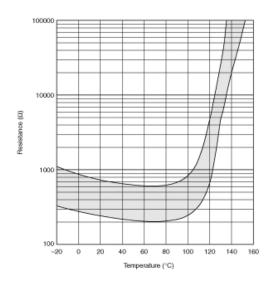
## PRF18BA471QB5RB



#### **Product Data**



Resistance-Temperature Characteristics



Resistance-Temperature Characteristics Range (Reference)

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