

Note: This datasheet may be out of date. Please download the latest datasheet of PRF21BA471QB5RA from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=PRF21BA471QB5RA

PRF21BA471QB5RA











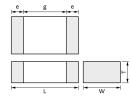
Applications

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)

1 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.





LIT I FOUNDE COMMON DAMA CITE

Note: This datasheet may be out of date.

Please download the latest datasheet of PRF21BA471QB5RA from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=PRF21BA471QB5RA

PRF21BA471QB5RA



Specifications

Max. Voltage	32V
Sensing Temperature	125°C
Sensing Temperature Tolerance	±5°C
Measure Condition of Sensing Temperature	at 4.7k ohm
Resistance (25°C)	470Ω
Resistance Value Tolerance (at 25℃)	±50%
Operating Temperature Range	-20°C to 140°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.)

2 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.

 $2. This \ data{sheet has only typical specifications because there is no \ space for \ detailed \ specifications.}$

Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.



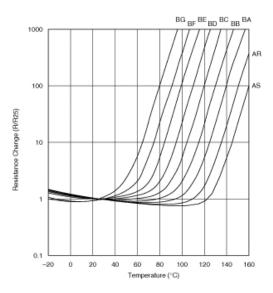
Note: This datasheet may be out of date. ${\it Please download the latest datasheet of PRF21BA471QB5RA from the official website of Murata}$ Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=PRF21BA471QB5RA

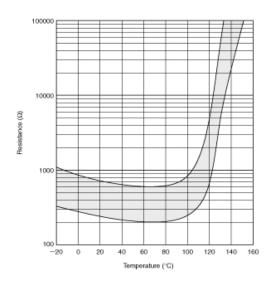
PRF21BA471QB5RA



Product Data



Resistance-Temperature Characteristics



Resistance-Temperature Characteristics Range (Reference)

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.

