

# PRF15BB102RB6RC

In Production

Recommended

RoHS

REACH

## Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	Mobile Electronics, 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.

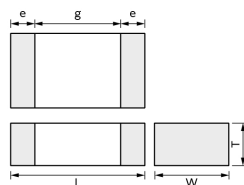
## Packaging Information

Packaging	Specifications	Standard Packing Quantity
RC	180mm Paper Tape	10000

## 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 resistance to mechanical vibration and impact resistance.
4. Contactless operation provides noiseless operation.
5. UL/cULcertified product. (UL1434, File No. E137188)

## Appearance & Shape



Part Number	Dimensions (mm)				
	L	W	T	e	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.

### Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its 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	115°C
Sensing Temperature Tolerance	±5°C
Measure Condition of Sensing Temperature	at 10k ohm
Sensing Temperature(2)	130°C
Sensing Temperature (2) Tolerance	±3°C
Measure Condition of Sensing Temperature(2)	at 100k ohm
Resistance (25°C)	1kΩ
Resistance Value Tolerance (at 25°C)	±50%
Operating Temperature Range	-40°C to 140°C
Size Code (in mm)	1.0x0.5mm
Size Code (in inch)	0.4x0.2inch
Shape	SMD
Mass	0.001g
MSL	1

> Glossary of PTC thermistors

> Related documents (UL, RoHS, etc.)

### Attention

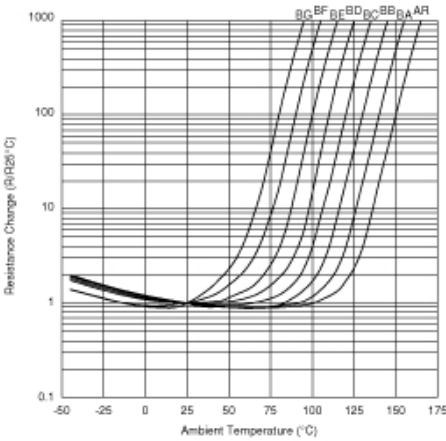
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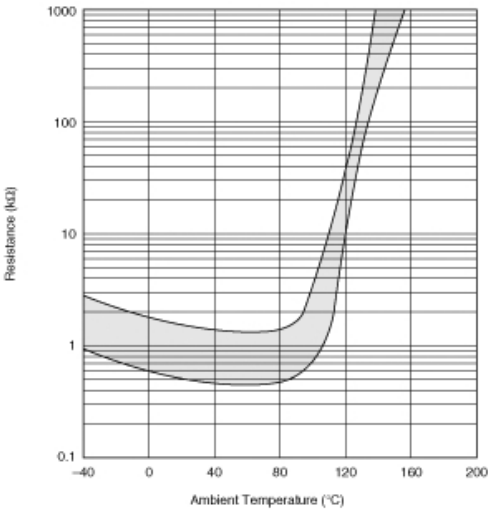
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## Product Data



Resistance-Temperature Charac.



Resistance-Temperature Charac. Range

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