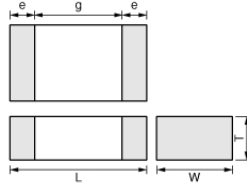


# PRF18BD471RB5RB

In Production Recommended RoHS REACH

## Appearance & Shape



| Part Number | Dimensions (mm) |          |          |            |          |
|-------------|-----------------|----------|----------|------------|----------|
|             | L               | W        | T        | e          | g        |
| 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. |

## Features

- 1.Sensing accuracy +/-3 deg.C which is highest of PTC Thermistor and the same level as NTC at sensing point.
- 2.Same resistance-temperature characteristics as PRF18\_QB5RB series.  
Easy to use higher accurate sensing type.
- 3.SMD type is helpful for miniaturizing circuits because of its small size and light weight.
- 4.Excellent thermal response due to small size
- 5.Solid-state construction provides excellent mechanical vibration and impact resistance.
- 6.Contactless operation provides noiseless operation.
- 7.Lead is not contained in the terminations.

## Applications

|               |                |
|---------------|----------------|
| Limited Usage | Consumer Grade |
|---------------|----------------|

## Packaging Information

| Packaging | Specifications   | Minimum Order Quantity |
|-----------|------------------|------------------------|
| RB        | 180mm Paper Tape | 4000                   |

### 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.

# PRF18BD471RB5RB



## Specifications

|   |                |
|---|----------------|
| Max. Voltage                                | 32V            |
| Sensing Temperature                         | 95°C           |
| Sensing Temperature Tolerance               | ±3°C           |
| Measure Condition of Sensing Temperature    | at 4.7k ohm    |
| Sensing Temperature(2)                      | 110°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 120°C |
| Size Code (in mm)                           | 1.6x0.8mm      |
| Size Code (in inch)                         | 0.6x0.3inch    |
| Shape                                       | SMD            |
| Mass  | 0.004g         |

### Attention

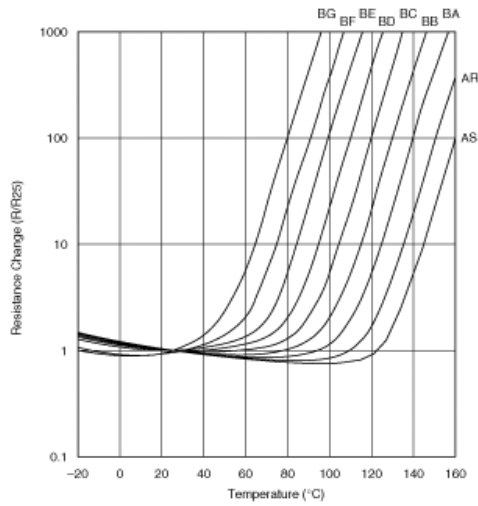
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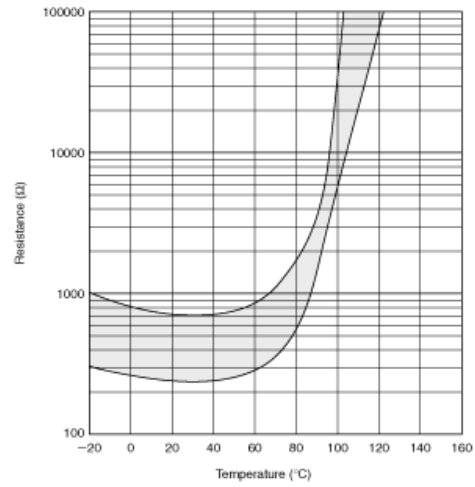
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# PRF18BD471RB5RB

## Product Data



Resistance-Temperature Characteristics



Resistance-Temperature Characteristics Range (Reference)

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