## PRF18AR471QS5RB

Applications

| Unsuitable <br> Applications | Please be sure to read and comply with <br> these "Precautions for use." |
| :--- | :--- |
|  | Automotive infotainment/comfort <br> equipment <br> Please refer to Our Website and <br> specifications, etc. for information about <br> Specific <br> Applications |
| the performance, functions, quality, <br> management, and safety required for <br> the above applications, and use <br> Products after confirming the <br> performance and reliability of the actual <br> Product. |  |

## Appearance \& Shape



## Packaging Information

| Packaging | Specifications | Standard <br> Packing <br> Quantity |
| :--- | :--- | :--- |
| RB | 180 mm 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)
[^0]
## Specifications

| Max. Voltage | 32 V |
| :--- | :--- |
| Sensing Temperature | $135^{\circ} \mathrm{C}$ |
| Sensing Temperature <br> Tolerance | $\pm 5^{\circ} \mathrm{C}$ |
| Measure Condition of <br> Sensing Temperature | at 4.7 k ohm |
| Sensing Temperature(2) | $150^{\circ} \mathrm{C}$ |
| Sensing Temperature (2) <br> Tolerance | $\pm 7^{\circ} \mathrm{C}$ |
| Measure Condition of <br> Sensing Temperature(2) | at 47 k ohm |
| Resistance (25 ${ }^{\circ} \mathrm{C}$ ) | $470 \Omega$ |
| Resistance Value Tolerance <br> (at $25^{\circ} \mathrm{C}$ ) | $\pm 50 \%$ |
| Operating Temperature <br> Range | $-40^{\circ} \mathrm{C}$ to $150^{\circ} \mathrm{C}$ |
| Size Code (in mm) | $1.6 \times 0.8 \mathrm{~mm}$ |
| Size Code (in inch) | $0.6 \times 0.3 \mathrm{inch}$ |
| Shape | 1 |
| Mass | 0.004 g |
| MSL | SMD |

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

[^1]URL : https://www.murata.com/

## Product Data



Resistance-Temperature Characteristics


Resistance-Temperature Characteristics Range (Reference)

## 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.

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