

Product Search Data Sheet

Note: This datasheet may be out of date. Please download the latest datasheet of PRF18BC471RB1RB from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=PRF18BC471RB1RB

PRF18BC471RB1RB









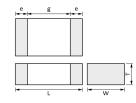
Applications

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

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2. This datasheet has only typical specifications because there is no space for detailed specifications.

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Specifications

| Max. Voltage | 32V |
|---|----------------|
| Sensing Temperature | 105°C |
| Sensing Temperature Tolerance | ±3°C |
| Measure Condition of Sensing Temperature | at 4.7k 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 |
| MSL | 1 |

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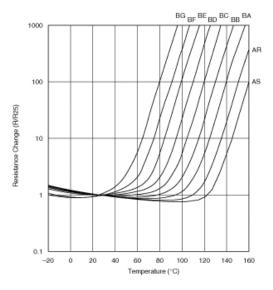
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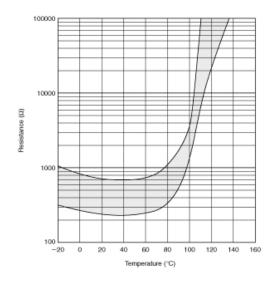
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Product Data



Resistance-Temperature Characteristics



Resistance-Temperature Characteristics Range (Reference)

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