Note: This datasheet may be out of date.
Please download the latest datasheet of PRF18BD471RB5RB from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-sg/products/productdetail?partno=PRF18BD471RB5RB

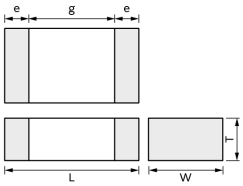
PRF18BD471RB5RB

In Production | Recommended | RoHS | REACH

Applications

Unsuitable Applications	Please be sure to read and comply with 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)				
	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.

Packaging Information

Packaging	Specifications	Standard Packing Quantity
RB	180mm Paper Tape	4000

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.
8. UL/cULcertified product. (UL1434, File No. E137188)

Attention
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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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PRF18BD471RB5RB

Specifications

Max. Voltage	32V
Sensing Temperature	95℃
Sensing Temperature Tolerance	±3℃
Measure Condition of Sensing Temperature	at 4.7k ohm
Sensing Temperature(2)	110℃
Sensing Temperature (2) Tolerance	±7℃
Measure Condition of Sensing Temperature(2)	at 47k ohm
Resistance (25℃)	470Ω
Resistance Value Tolerance (at 25℃)	±50%
Operating Temperature Range	-20℃ to 120℃
Size Code (in mm)	1.6x0.8mm
Size Code (in inch)	0.6x0.3inch
Shape	SMD
Mass	0.004g
MSL	1

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

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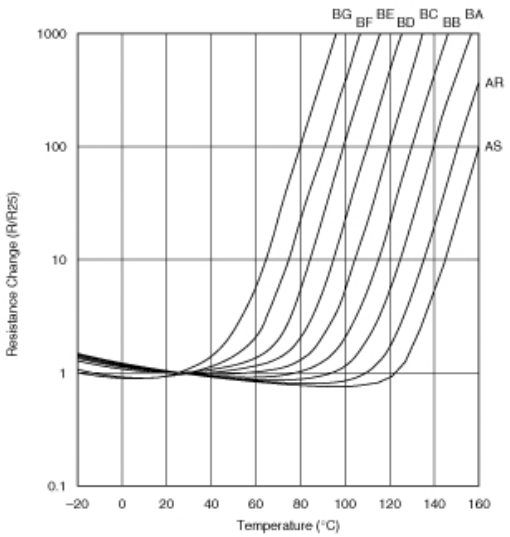
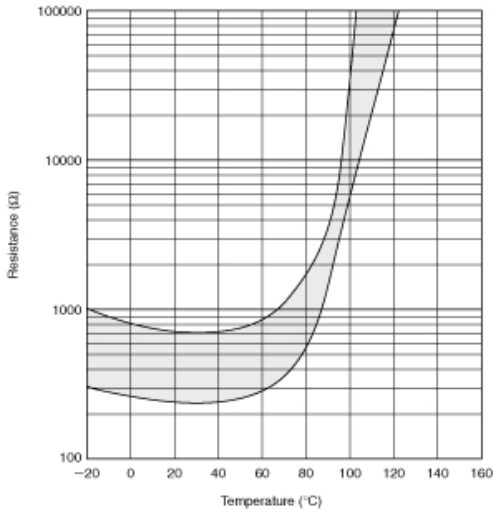
PRF18BD471RB5RB

Product Data



Resistance-Temperature Characteristics



Resistance-Temperature Characteristics Range (Reference)

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