

Note: This datasheet may be out of date. Please download the latest datasheet of PRF18BE471RS2RB from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=PRF18BE471RS2RB

# PRF18BE471RS2RB









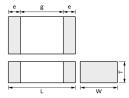
# **Applications**

Unsuitable	Please be sure to read and comply with		
Applications	these "Precautions for use."		
	Automotive infotainment/comfort		
	equipment		
	Please refer to Our Website and		
	specifications, etc. for information about		
Specific	the performance, functions, quality,		
Applications	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. 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 QS 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)

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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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# **Specifications**

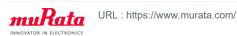
Max. Voltage	32V
Sensing Temperature	85°C
Sensing Temperature Tolerance	±3°C
Measure Condition of Sensing Temperature	at 4.7k ohm
Resistance (25°C)	470Ω
Resistance Value Tolerance (at 25°C)	±50%
Operating Temperature Range	-40°C to 150°C
Size Code (in mm)	1.6x0.8mm
Size Code (in inch)	0.6x0.3inch
Shape	SMD
Mass	0.004g
MSL	1

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## Product Search Data Sheet

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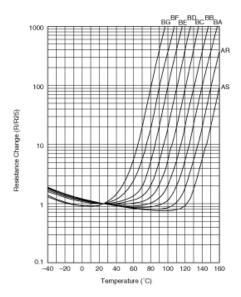
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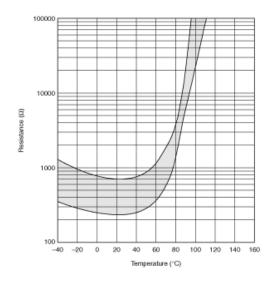
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## **Product Data**



Resistance-Temperature Characteristics



Resistance-Temperature Characteristics Range (Reference)

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