

Please be sure to read these general terms of use, before using this product.

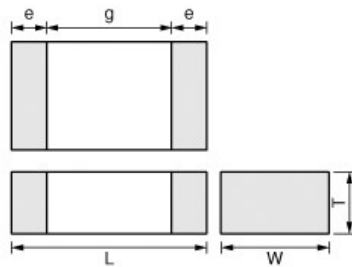
PRF15BB103RB6RC

Sensors > Temperature Sensors > PTC for Temperature Sensor
Thermistors > PTC Thermistors (POSISTOR®) > PTC for Temperature Sensor

In Production Recommended ?

RoHS REACH ?

Appearance & Shape



Part Number	Dimensions (mm)				
	L	W	T	e	g
PRF15_RC	1.0±0.05	0.5±0.05	0.5±0.05	0.15 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	-

Specifications

Max. Voltage	32V
Sensing Temperature	130°C
Sensing Temperature Tolerance	±3°C
Measure Condition of Sensing Temperature	at 4.7M ohm
Resistance at 25°C	10kΩ

Send your inquiry ?

Stock Check (Where to buy) ✖

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How to read part numbers >

- Details
- Caution/Notice >
- Mounting >
- Specifications and Test Method >
- Application Circuit >
- Taping Dimensions >

- Library
- PDF Catalog Library >
- Selection Guides >
- Video Library >

Related FAQs

 Thermistors FAQ >

Product News

See all related news >

Resistance Value Tolerance (at 25°C)	±50%
Operating Temperature Range	-20°C to 140°C
Size Code (in mm)	1.0x0.5mm
Size Code (in inch)	0.4x0.2inch
Shape	SMD
Mass	0.001g

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.

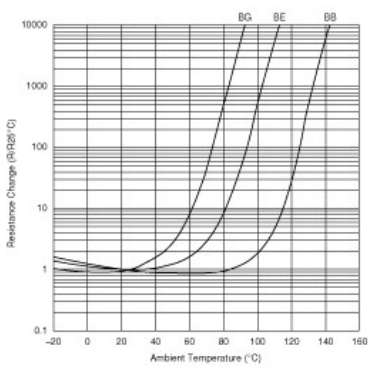
Applications

Limited Usage	Consumer Grade
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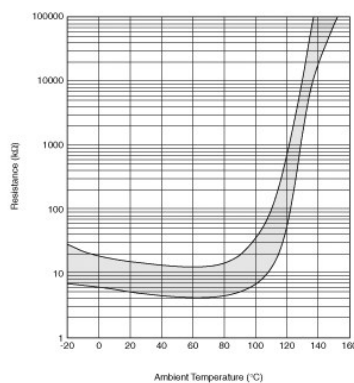
Packaging Information

Packaging	Specifications	Minimum Order Quantity
RC	180mm Paper Tape	10000

Product Data



Resistance-Temperature Characteristics



Resistance-Temperature Charac. Range

Products

Latest Product Information Capacitor Inductors Noise Suppression Products / EMI Suppression Filters / ESD Protection Devices Resistors Thermistors
Sensors Timing Devices (MEMS Resonator / Crystal Unit / Ceramic Resonator / Oscillator) Quartz Devices Sound Components (Buzzer) Power Devices
Small Energy Devices Batteries Micro Mechatronics RFID Products Matching Devices Balun Coupler Filters SAW Components Phase Shifter
RF Switch Front End Module Connectors Antennas RF Modules LPWA Products Wireless Connectivity Platforms
Ultra Low power Short Range RF-IC LTCC Multilayer Substrates Ionizers / Active Oxygen Module (Ozonizers)

Applications

Smarthome Medical and Healthcare Automotive Mobile Communication Network Data Center Lighting Industrial Equipment White Goods
Personal Computers Business Machine AV Security & Safety

Design Tools

Video Presentation of Design Tools Design Support Software "SimSurfing"

Support

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