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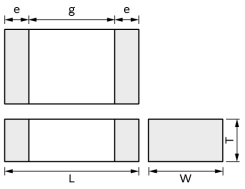
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PRF18BG471RS5RB

In Production | Recommended | AEC-Q200 | RoHS | REACH

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.

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)

Applications

Limited Usage	Automotive Grade

Packaging Information

Packaging	Specifications	Standard Packing Quantity
RB	180mm Paper Tape	4000

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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PRF18BG471RS5RB

Specifications

Max. Voltage	32V
Sensing Temperature	65℃
Sensing Temperature Tolerance	±3℃
Measure Condition of Sensing Temperature	at 4.7k ohm
Sensing Temperature(2)	80℃
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	-40℃ to 150℃
Size Code (in mm)	1.6x0.8mm
Size Code (in inch)	0.6x0.3inch
Shape	SMD
Mass	0.004g
MSL	1

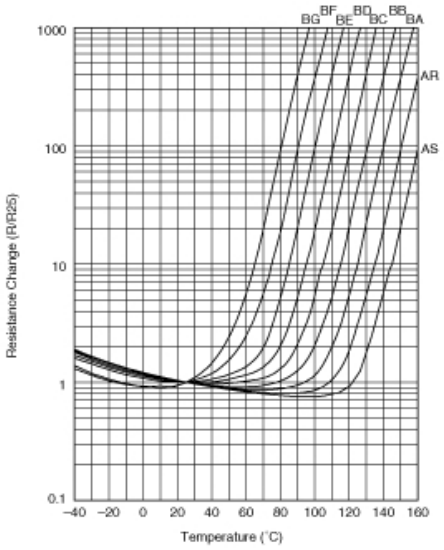
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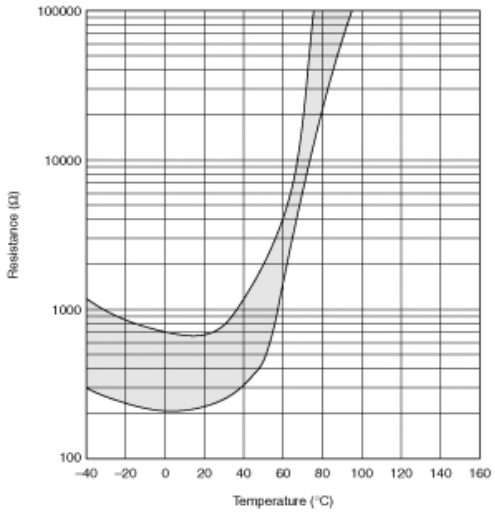
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PRF18BG471RS5RB

Product Data



Resistance-Temperature Characteristics



Resistance-Temperature Charac. Range

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