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PRF18BD471QS5RB

Recommended ● In Production

PRF18BD471QS5RB

AEC-Q200 RoHS REACH

Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use".
Specific Applications	Automotive infotainment/comfort equipment,Automotive powertrain/safety equipment 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.

Attention

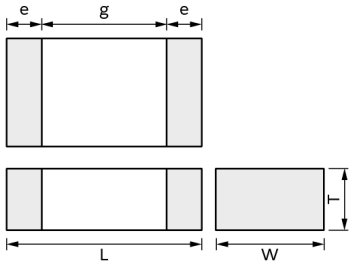
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Appearance & Shape





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.

LW Size (in inch)	0.6×0.3inch

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PRF18BD471QS5RB

Specifications

Max. Voltage	32V
Sensing Temperature	95℃ (at 4.7kΩ)
Sensing Temperature Tolerance	±5℃
Sensing Temperature(2)	110℃ (at 47kΩ)
Sensing Temperature (2) Tolerance	±7℃
Resistance (25℃)	470Ω
Resistance Value Tolerance (at 25℃)	±50%
Operating Temperature	-40 ~ 150℃
Shape	SMD
MSL	1

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

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PRF18BD471QS5RB

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 mechanical vibration and impact resistance.
4. Contactless operation provides noiseless operation.
5. Lead is not contained in the terminations.
6. UL/cULcertified product. (UL1434, File No. E137188)

References

Packaging	Specifications	Standard Packing Quantity
RB	180mm Paper Tape (Pitch width 4mm)	4000

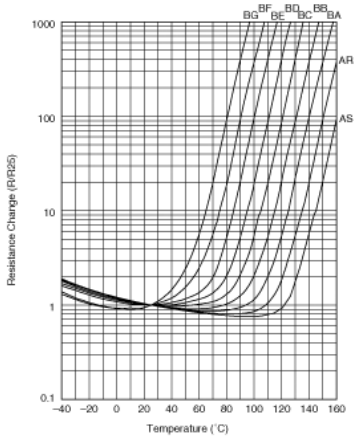
Mass(Typ.)	
1 piece	4.4mg

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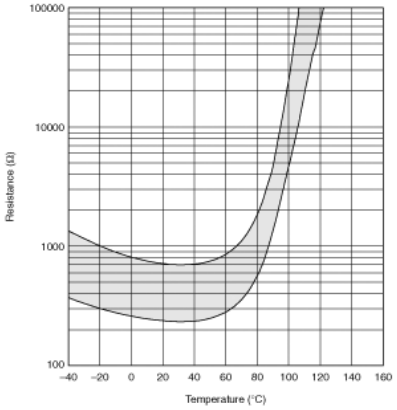
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Product Data



Resistance-Temperature Characteristics



Resistance-Temperature Characteristics Range (Reference)

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