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PRG21BC4R7MS5RA

Recommended ● In Production

PRG21BC4R7MS5RA

Applications

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

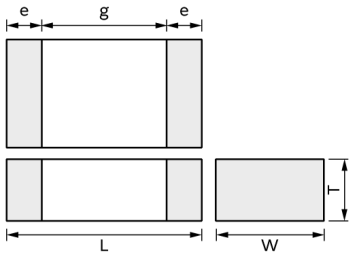
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2. This datasheet has only typical specifications because there is no space for detailed specifications.
Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

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PRG21BC4R7MS5RA

Appearance & Shape





Part Number	Dimensions (mm)				
	L	W	T	e	g
PRG03_RL	0.60±0.05	0.30±0.05	0.30±0.05	0.10 to 0.20	-
PRG15_RC	1.0±0.05	0.5±0.05	0.5±0.05	0.15 to 0.40	-
PRG18_RB	1.6±0.15	0.8±0.15	0.8±0.15	0.1 to 0.6	-
PRG21_RA	2.0±0.2	1.25±0.2	0.9±0.2	0.2 min.	0.5 min.
PRG21_RK	2.0±0.2	1.25±0.2	1.25±0.2	0.2 min.	0.5 min.

LW Size (in inch)	0.8×0.5inch

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PRG21BC4R7MS5RA

Specifications

Max. Voltage	30V
Hold Current(25℃)	145mA
Hold Current (2)	48mA (at +85℃)
Trip Current(25℃)	330mA
Trip Current(2)	460mA (at -40℃)
Max. Current	8,000mA
Resistance (25℃)	4.7Ω
Resistance Value Tolerance (at 25℃)	±20%
Curie Point(typ.)	90℃
Operating Temperature	-40 ~ 85℃
Shape	SMD
MSL	1

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

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PRG21BC4R7MS5RA

Features

1. Rapid operation to protect the circuit in an overcurrent condition abnormality such as a short circuit.
   By removing the overcurrent condition, these products automatically return to the initial condition and can be used repeatedly.
2. Suitable for countermeasure to short circuit test in safety standard
3. Stable resistance after operation due to ceramic PTC
4. Similar size (0603 size) is possible due to the large capacity for electric power.
5. Possible to use these products as current limiting resistors with overcurrent protection functions
6. SMD type is helpful for miniaturizing circuits because of its small size and light weight
7. UL/cULcertified product.(UL1434, File No. E137188)

References

Packaging	Specifications	Standard Packing Quantity
RA	180mm Embossed Tape (Pitch width 4mm)	4000

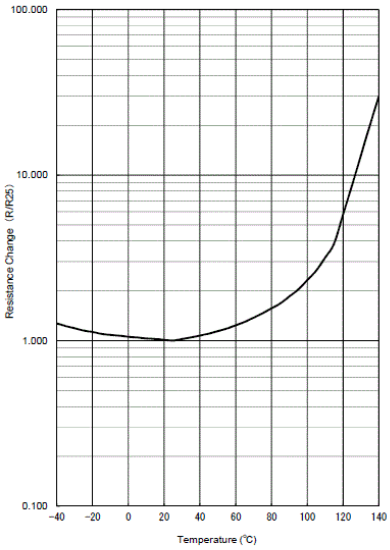
Mass(Typ.)	
1 piece	9.1mg

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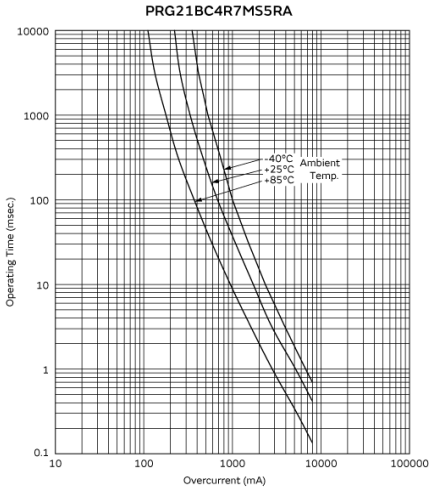
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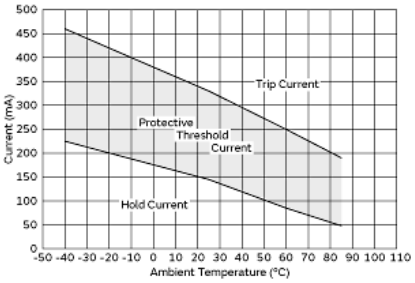
Product Data



Resistance-Temperature Charac.



Operating Time (Typical Curve)



Protective Threshold Current Range

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