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PRG18BC220MM1RB

Recommended ● In Production

PRG18BC220MM1RB

RoHS REACH

Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use".
Specific Applications	Consumer equipment,Industrial Equipment,Medical equipment [GHTF A/B] 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

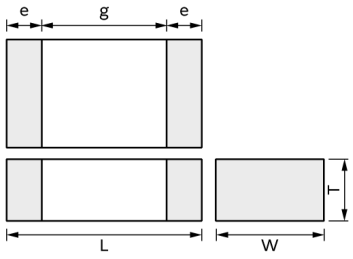
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PRG18BC220MM1RB

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)	0.6×0.3inch

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PRG18BC220MM1RB

Specifications

Max. Voltage	30V
Hold Current(25℃)	54mA
Hold Current (2)	22mA (at +85℃)
Trip Current(25℃)	113mA
Trip Current(2)	155mA (at -20℃)
Max. Current	1,800mA
Resistance (25℃)	22Ω
Resistance Value Tolerance (at 25℃)	±20%
Curie Point(typ.)	90℃
Operating Temperature	-20 ~ 85℃
Shape	SMD
MSL	1

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

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PRG18BC220MM1RB

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
RB	180mm Paper Tape (Pitch width 4mm)	4000

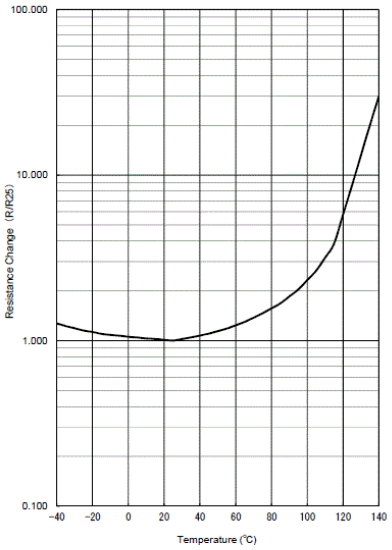
Mass(Typ.)	
1 piece	4.3mg

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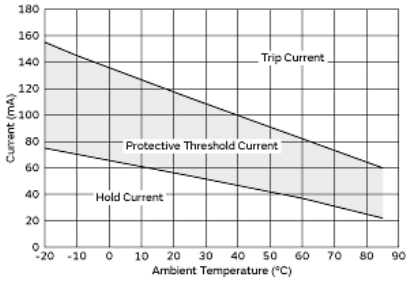
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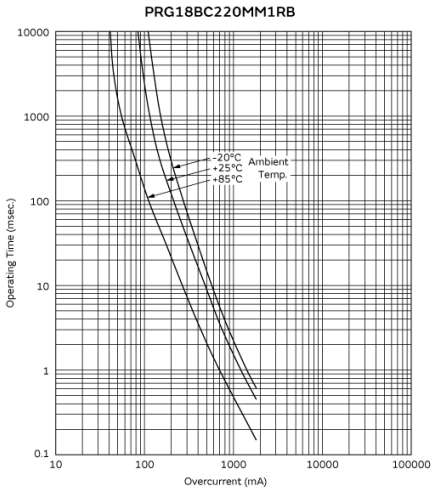
Product Data



Resistance-Temperature Charac.



Protective Threshold Current Range



Operating Time (Typical Curve)

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