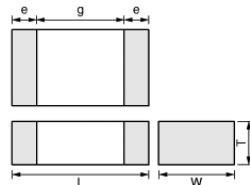


PRG21AR420MS1RA

In Production Recommended

RoHS **REACH** **AEC-Q200**

Appearance & Shape



Part Number	Dimensions (mm)				
	L	W	T	e	g
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.

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.Lead is not contained in the terminations

Applications

Limited Usage Automotive Grade

Packaging Information

Packaging	Specifications	Minimum Order Quantity
RA	180mm Embossed 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.

PRG21AR420MS1RA



Specifications

Max. Voltage	20V	Size Code (in inch)	0.8x0.5inch
Hold Current(25°C)	54mA	Shape	SMD
Measure Condition of Hold Current	(at +25°C)	Mass	0.011g
Hold Current (2)	25mA		
Measure Condition of Hold Current (2)	(at +85°C)		
Hold Current (3)	15mA		
Measure Condition of Hold Current (3)	(at +105°C)		
Trip Current	102mA		
Measure Condition of Trip Current	(at +25°C)		
Trip Current(2)	130mA		
Measure Condition of Trip Current(2)	(at -40°C)		
Max. Current	590A		
Resistance (25°C)	42Ω		
Resistance Value Tolerance (at 25°C)	±20%		
Curie Point(typ.)	120°C		
Operating Temperature Range	-40°C to 105°C		
Size Code (in mm)	2.0x1.25mm		

2 of 3

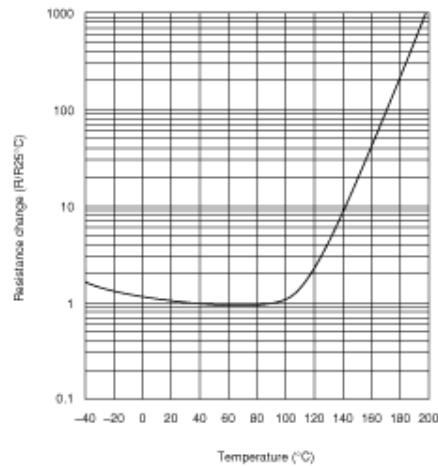
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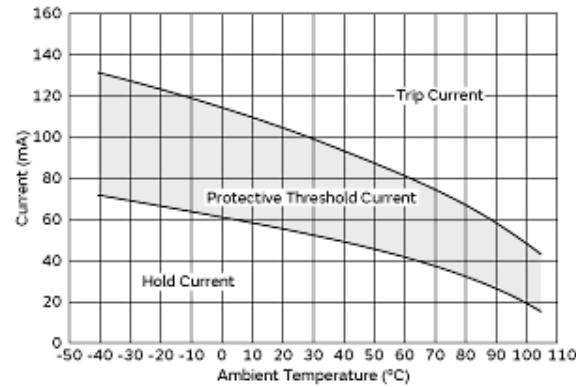
PRG21AR420MS1RA



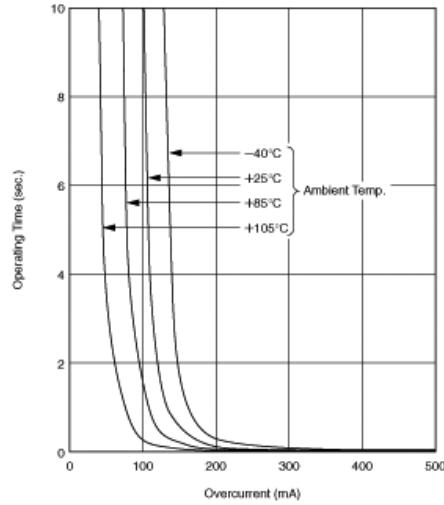
Product Data



Resistance-Temperature Charac.



Protective Threshold Current Range



Operating Time (Typical Curve)

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