

PRG21AR420MS1RA

In Production

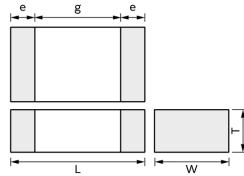
Recommended

AEC-Q200

RoHS

REACH

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.	

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)

Applications

Limited Usage	Automotive Grade
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Packaging Information

Packaging	Specifications	Standard Packing Quantity
RA	180mm Embossed Tape	4000

Attention

1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.

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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Specifications

Max. Voltage	20V
Hold Current(25°C)	54mA
Measure Condition of Hold Current	(at +25°C)
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(25°C)	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
Size Code (in inch)	0.8x0.5inch
Shape	SMD
Mass	0.011g
MSL	1

Attention

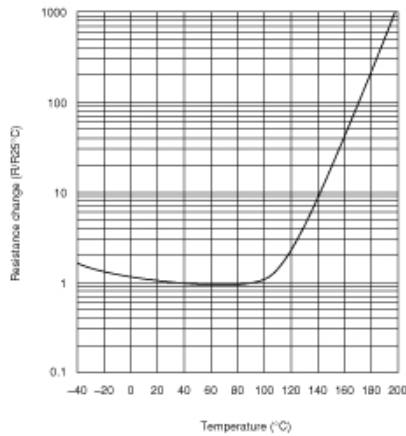
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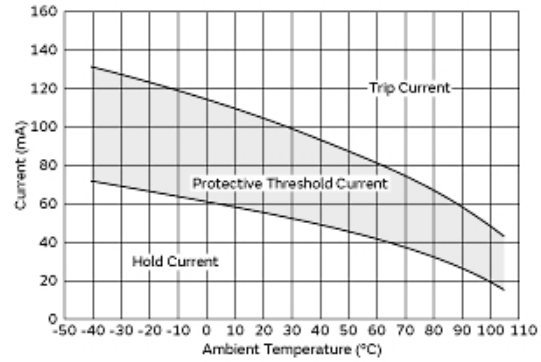
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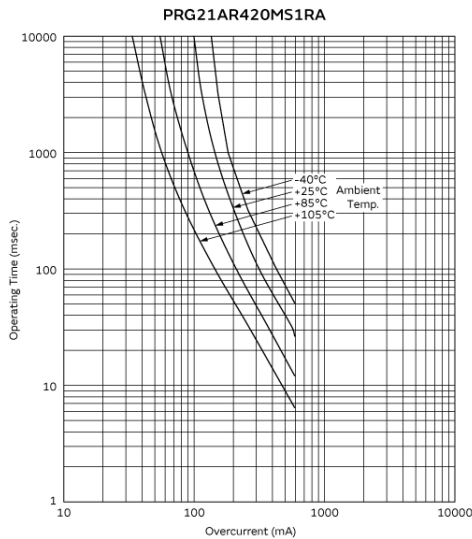
Product Data



Resistance-Temperature Charac.



Protective Threshold Current Range



Operating Time (Typical Curve)

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