

Product Search Data Sheet

PRG21AR420MS1RA

Note: This datasheet may be out of date. Please download the latest datasheet of PRG21AR420MS1RA from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=PRG21AR420MS1RA



### Applications

Unsuitable	Please be sure to read and comply with	
Applications	these "Precautions for use."	
	Automotive infotainment/comfort	
	equipment	
	Please refer to Our Website and	
	specifications, etc. for information about	
Specific	the performance, functions, quality,	
Applications	management, and safety required for	
	the above applications, and use	
	Products after confirming the	
	performance and reliability of the actual	
	Product.	

### Appearance & Shape



-	L				
Part Number	Dimensions (mm)				
Part Nulliber	L	W	Т	е	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.

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### Packaging Information

Packaging	Specifications	Standard Packing Quantity
RA	180mm Embossed Tape	4000



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)

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#### Attention

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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
Hold Current (2)	25mA
Measure Condition of Hold Current (2)	(at +85℃)
Hold Current (3)	15mA
Measure Condition of Hold Current (3)	(at +105°C)
Trip Current(25°C)	100mA
Trip Current(2)	130mA
Measure Condition of Trip Current(2)	(at -40°C)
Max. Current	590mA
Resistance (25°C)	42Ω
Resistance Value Tolerance (at 25°C)	±20%
Curie Point(typ.)	120℃
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

Glossary of PTC thermistors

Related documents (UL, RoHS, etc.)

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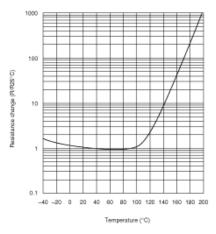
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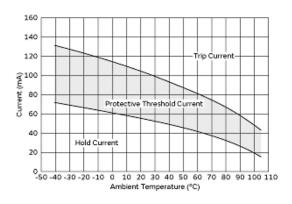
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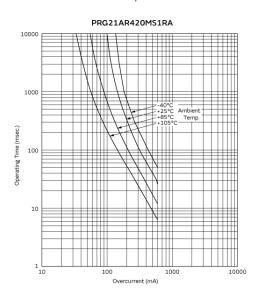
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### Resistance-Temperature Charac.



Operating Time (Typical Curve)

### Protective Threshold Current Range

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