

Product Search Data Sheet

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Please download the latest datasheet of PRG21AR220MS1RK from the official website of Murata Manufacturing Co., Ltd.

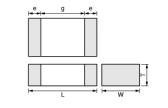
https://www.murata.com/en-eu/products/productdetail?partno=PRG21AR220MS1RK

# PRG21AR220MS1RK

In Production Recommended RoHS REACH AEC-

### 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.

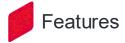
 PRG21\_RK
 2.0±0.2
 1.25±0.2
 1.25±0.2
 0.2 min.
 0.5 min.

# Applications

Limited Usage	Automotive Grade
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### Packaging Information

Packaging	Specifications	Minimum Order Quantity
RK	180mm Embossed Tape	3000



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



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### Specifications

Max. Voltage16VMase0.0179Hold Current (2)(3+03)				
IdeatedMeasure Condition of Hold Current(at+105°C)Hold Current (2)45mAHold Current (3)(at+85°C)Measure Condition of Hold Current (3)(at+25°C)Trip Current(at+25°C)Measure Condition of Trip Current(at+25°C)Trip Current(2)250mAMeasure Condition of Trip Current(at-80°C)Measure Current(at-80°C)Measure Current(at-80°C)Measure Current(at-80°C)Measure Current(at-80°C)Measure Current	Max. Voltage	16V	Mass	0.017g
Ideal Current (2)Ideal Current (2)Hold Current (3)(a +85°C)Hold Current (3)75mAMeasure Condition of Hold Current (3)(a +25°C)Inp Current (1)(a +25°C)Measure Condition of Trip Current (2)(a +25°C)Macaurent (2)(a +0°C)Measure Condition of Trip Current (2)(a +0°C)Measure Condition of Trip Current (2)(a +0°C)Residence (25°C)(a)Residence (25°C)(a)Qiona Current (2)(a)Naccurent (2)(a)Measure Condition of Trip Current (2)(a)Residence (25°C)(a)Qiona Current (2)(a)Statence Value Tolerance (at 25°C)(a)Qiona Current (2)(a)Statence Value Tolerance (at 25°C)(a)Qiona Current (2)(a)Statence Value Tolerance (25°C)(a)Qiona Current (2)(a)Statence Value Tolerance (25°C)(a)Qiona Current (25°C)(a)Statence Value Tolerance (25°C)(a)Qiona Current (25°C)(a)Statence Value Tolerance (25°C) <t< td=""><td>Hold Current</td><td>25mA</td><td></td><td>"</td></t<>	Hold Current	25mA		"
Ideasure Condition of Hold Current (2)Ideasure Condition of Hold Current (3)Ideasure Condition of Hold Current (3)Measure Condition of Hold Current (3)Ide +25°C)Trip Current (3)Ide +25°C)Measure Condition of Trip Current (3)Ide +25°C)Trip Current(2)Ide +0°C)Measure Condition of Trip Current (3)Ide +0°C)Measure Condition of T	Measure Condition of Hold Current	(at +105°C)		
IndextorImage: Condition of Hold CurrentImage: Condition of Hold CurrentImage: Condition of Hold CurrentImage: Condition of Trip CurrentImag	Hold Current (2)	45mA		
A constantA constantMeasure Condition of Hold Current ()195mAMeasure Condition of Trip Current ()kt +25°C)Trip Current(2)250mAMeasure Condition of Trip Current ()kt 40°C)Max. Current ()900AResistance (25°C)220Resistance Value Tolerance (at 25°C)20%Operating Temperature Range ()20x1.25mm	Measure Condition of Hold Current (2)	(at +85°C)		
Inp Current195mAMeasure Condition of Trip Current(at +25°C)Trip Current(2)250mAMeasure Condition of Trip Current(2)(at 40°C)Max. Current900AResistance (25°C)22QResistance Value Tolerance (at 25°C)220%Operating Temperature Range40°C to 105°CSize Code (in mm)20.1.25mm	Hold Current (3)	75mA		
A constraintA constraintMeasure Condition of Trip Current250mATrip Current(2)250mAMeasure Condition of Trip Current(2)(at -40°C)Max. Current900AResistance (25°C)22ΩResistance Value Tolerance (at 25°)220%Operating Temperature Range-40°C to 105°CSize Code (in mm)20x1.25mm	Measure Condition of Hold Current (3)	(at +25°C)		
Trip Current(2)250mAMeasure Condition of Trip Current(2)(at 40°C)Max. Current900AResistance (25°C)22ΩResistance Value Tolerance (at 25°)±20%Operating Temperature Range40°C to 105°CSize Code (in mm)2.0x1.25mm	Trip Current	195mA		
A measure Condition of Trip Current(2)(at 40°C)Max. Current900AResistance (25°C)22ΩResistance Value Tolerance (at 25°C)±20%Operating Temperature Range-40°C to 105°CSize Code (in mm)0.0x1.25mm	Measure Condition of Trip Current	(at +25°C)		
Max. Current900AResistance (25°C)22ΩResistance Value Tolerance (at 25°C)±20%Operating Temperature Range-40°C to 105°CSize Code (in mm)2.0x1.25mm	Trip Current(2)	250mA		
A constance (25°C)22ΩResistance Value Tolerance (at 25°C)±20%Operating Temperature Range-40°C to 105°CSize Code (in mm)2.0x1.25mm	Measure Condition of Trip Current(2)	(at -40°C)		
Resistance Value Tolerance (at 25°C)±20%Operating Temperature Range-40°C to 105°CSize Code (in mm)2.0x1.25mm	Max. Current	900A		
Operating Temperature Range     -40°C to 105°C       Size Code (in mm)     2.0x1.25mm	Resistance (25°C)	22Ω		
Size Code (in mm) 2.0x1.25mm	Resistance Value Tolerance (at 25°C)	±20%		
	Operating Temperature Range	-40°C to 105°C		
Shape SMD	Size Code (in mm)	2.0x1.25mm		
	Shape	SMD		

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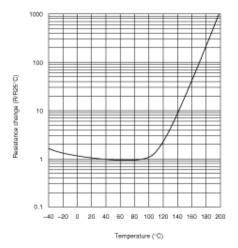
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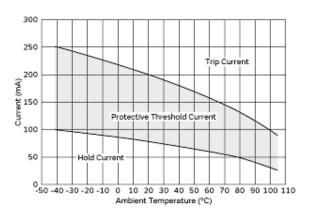
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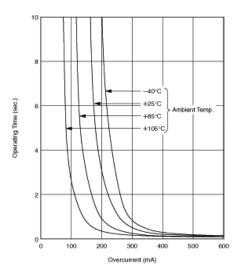








Protective Threshold Current Range



Operating Time (Typical Curve)

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