

# PTGL7SAS1R8K2B51B0

To be discontinued

RoHS

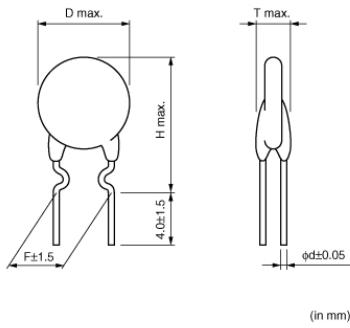
REACH

Note: This datasheet may be out of date.

Please download the latest datasheet of PTGL7SAS1R8K2B51B0 from the official website of Murata Manufacturing Co., Ltd.

<http://www.murata.com/en-sg/products/productdetail?partno=PTGL7SAS1R8K2B51B0>

## Appearance & Shape



## Features

1. Useful protective threshold current range with a wide temperature range.
2. Small fluctuation in the circuit due to resistance tolerance +/- 10%.
3. Quick operating time due to small size compared with conventional products.
4. Best suited to meet the requirements of power supply and motor protector. Error-free operation is assured by rush current.
5. Circuit is protected until current is turned off.
6. Restores the original low resistance value automatically once the overload is removed.
7. Non-contact design leads to long life and no noise. Durable and strong against mechanical vibration and shock because it is a solid element.
8. Lead (Pb) is not contained in the terminations.

## Applications

Automotive Usage	Infotainment
Limited Usage	Automotive Grade

## Packaging Information

Packaging	Specifications	Standard Packing Quantity
B0	Bulk(Bag)	500

### 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.

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## Specifications

Max. Voltage	30V
Hold Current(25°C)	532mA
Measure Condition of Hold Current	(at +25°C)
Hold Current (2)	319mA
Measure Condition of Hold Current (2)	(at +85°C)
Hold Current (3)	223mA
Measure Condition of Hold Current (3)	(at +105°C)
Trip Current(25°C)	708mA
Measure Condition of Trip Current	(at +25°C)
Trip Current(2)	902mA
Measure Condition of Trip Current(2)	(at -40°C)
Max. Current	5A
Resistance (25°C)	1.8Ω
Resistance Value Tolerance (at 25°C)	±10%
Curie Point(typ.)	130°C
Power Consumption(typ)	1.7W
Operating Temperature Range	-40°C to 125°C
D: Outer Dimension	7.3mm
Thickness	3.5mm
H: Height	12.3mm
F: Lead Space	5mm
d: Lead Diameter	0.6mm
Shape	Lead

Mass	0.27g
MSL	N

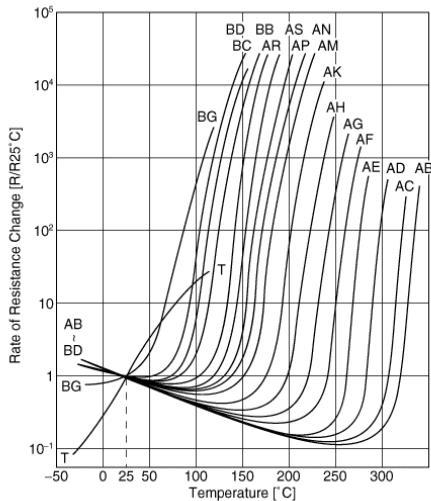
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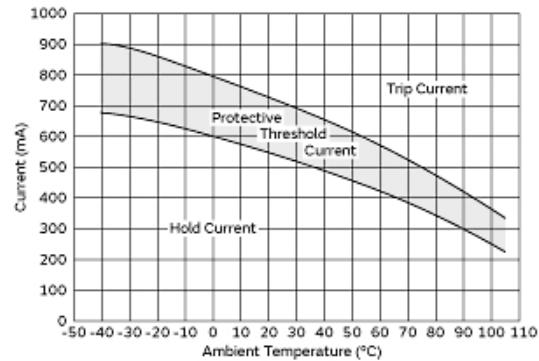
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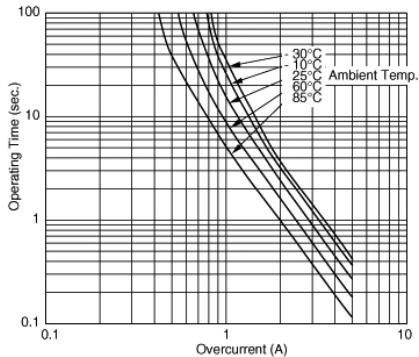
## Product Data



Resistance-Temperature Charac.



Protective Threshold Current Range



Operating Time (Typical Curve)

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