

Product Search Data Sheet

# PTGL7SAS1R8K2B51B0

Discontinued

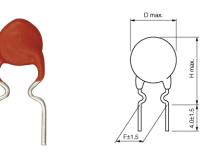
RoHS REACH

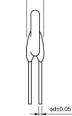
### Applications

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



### Appearance & Shape





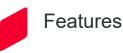
(in mm)

Note: This datasheet may be out of date.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/products/productdetail?partno=PTGL7SAS1R8K2B51B0

## Packaging Information

| Packaging | Specifications | Standard<br>Packing<br>Quantity |
|-----------|----------------|---------------------------------|
| В0        | Bulk(Bag)      | 500                             |



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.

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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                             | 30V            |
|--|----------------|
| Hold Current(25°C)                       | 532mA          |
| Hold Current (2)                         | 319mA          |
| Measure Condition of Hold<br>Current (2) | (at +85°C)     |
| Hold Current (3)                         | 223mA          |
| Measure Condition of Hold<br>Current (3) | (at +105°C)    |
| Trip Current(25°C)                       | 708mA          |
| Trip Current(2)                          | 902mA          |
| Measure Condition of Trip<br>Current(2)  | (at -40°C)     |
| Max. Current                             | 5A             |
| Resistance (25°C)                        | 1.8Ω           |
| Resistance Value Tolerance<br>(at 25°C)  | ±10%           |
| Curie Point(typ.)                        | 130℃           |
| Power Consumption(typ)                   | 1.7W           |
| Operating Temperature<br>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                                      | Ν              |

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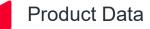


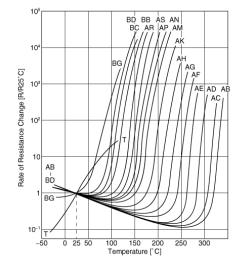
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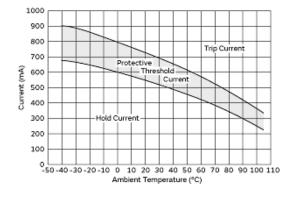
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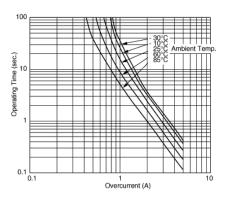
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Resistance-Temperature Charac.



Protective Threshold Current Range

Operating Time (Typical Curve)

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