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Please download the latest datasheet of PTGL9SAS120K6B51B0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-gb/products/productdetail?partno=PTGL9SAS120K6B51B0

### PTGL9SAS120K6B51B0









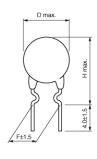
## **Applications**

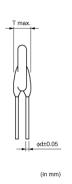
| Unsuitable               | Please be sure to read and comply with     |  |
|--------------------------|--|--|
| Applications             | these "Precautions for use."               |  |
| Specific<br>Applications | Automotive powertrain/safety equipment     |  |
|                          | Please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



### Appearance & Shape







#### Packaging Information

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



#### **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.

1 of 3

#### 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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# PTGL9SAS120K6B51B0



# **Specifications**

| Max. Voltage                             | 140V           |
|--|----------------|
| Hold Current(25°C)                       | 244mA          |
| Hold Current (2)                         | 146mA          |
| Measure Condition of Hold<br>Current (2) | (at +85°C)     |
| Hold Current (3)                         | 102mA          |
| Measure Condition of Hold<br>Current (3) | (at +105°C)    |
| Trip Current(25°C)                       | 324mA          |
| Trip Current(2)                          | 413mA          |
| Measure Condition of Trip<br>Current(2)  | (at -40°C)     |
| Max. Current                             | 2A             |
| Resistance (25°C)                        | 12Ω            |
| Resistance Value Tolerance (at 25°C)     | ±10%           |
| Curie Point(typ.)                        | 130℃           |
| Power Consumption(typ)                   | 1.9W           |
| Operating Temperature<br>Range           | -40°C to 125°C |
| D- Outer Dimension                       | 9.3mm          |
| Thickness                                | 4.5mm          |
| H- Height                                | 14.3mm         |
| F- Lead Space                            | 5mm            |
| d- Lead Diameter                         | 0.6mm          |
| Shape                                    | Lead           |
| Mass                                     | 0.44g          |
| MSL                                      | N              |

2 of 3

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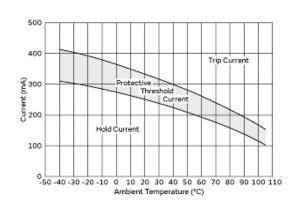
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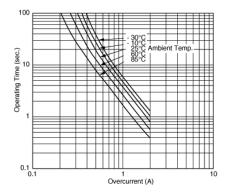


### **Product Data**





#### Resistance-Temperature Charac.



#### Protective Threshold Current Range

Operating Time (Typical Curve)

3 of 3

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