

### **Product Search Data Sheet**

Note: This datasheet may be out of date. Please download the latest datasheet of PTGL05AS270K6B51B0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-sg/products/productdetail?partno=PTGL05AS270K6B51B0

# PTGL05AS270K6B51B0









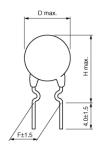
## **Applications**

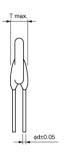
| Unsuitable               | Please be sure to read and comply with     |  |
|--------------------------|--|--|
| Applications             | these "Precautions for use."               |  |
| Specific<br>Applications | Industrial Equipment                       |  |
|                          | Please 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







(in mm)

# Packaging Information

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



## **Features**

- 1. Small fluctuation in the circuit due to resistance tolerance +/-10%
- 2. Narrow current range (less than twice) between operating and non-operating current at -10 to 60 degrees C.
- 3. Quick operating time due to small size compared with conventional products.
- 4. Best suited to meet the requirements for power supplies and motor protection. Error-free operations are 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.

1 of 3

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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                             | 140V          |
|--|---------------|
| Hold Current(25°C)                       | 134mA         |
| Hold Current (2)                         | 106mA         |
| Measure Condition of Hold<br>Current (2) | (at +60°C)    |
| Trip Current(25°C)                       | 178mA         |
| Trip Current(2)                          | 209mA         |
| Measure Condition of Trip<br>Current(2)  | (at -10°C)    |
| Max. Current                             | 1A            |
| Resistance (25°C)                        | 27Ω           |
| Resistance Value Tolerance (at 25°C)     | ±10%          |
| Curie Point(typ.)                        | 130℃          |
| Power Consumption(typ)                   | 1.5W          |
| Operating Temperature<br>Range           | -30°C to 85°C |
| D- Outer Dimension                       | 5.5mm         |
| Thickness                                | 4.5mm         |
| H- Height                                | 10.5mm        |
| F- Lead Space                            | 5mm           |
| d- Lead Diameter                         | 0.6mm         |
| Shape                                    | Lead          |
| Mass                                     | 0.24g         |
| MSL                                      | N             |

2 of 3

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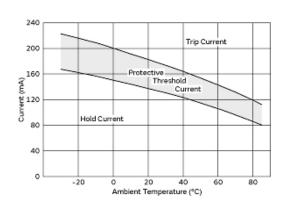
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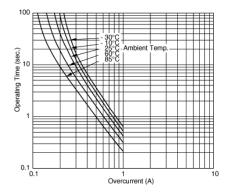


## **Product Data**





## Resistance-Temperature Charac.



## Protective Threshold Current Range

Operating Time (Typical Curve)

3 of 3

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