

Product Search Data Sheet

Note: This datasheet may be out of date. Please download the latest datasheet of PTGL10ARR27M1B51B0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=PTGL10ARR27M1B51B0

# PTGL10ARR27M1B51B0



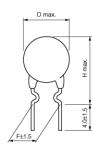


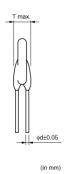




## Appearance & Shape







### **Features**

- 1. Best suited to meet the requirements for power supplies and motor protection. Error-free operation is assured by rush current.
- 2. Circuit is protected until current is turned off.
- 3. Restores the original low resistance value automatically once the overload is removed.
- 4. Non-contact design leads to long life and no noise. Durable and strong against mechanical vibration and shock because it is a solid element.



## **Applications**

| Limited Usage Consumer Grade |  |
|------------------------------|--|
|------------------------------|--|



## **Packaging Information**

| Packaging |           | Standard<br>Packing<br>Quantity |
|-----------|-----------|---------------------------------|
| В0        | Bulk(Bag) | 300                             |

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# **Specifications**

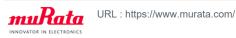
| Max. Voltage                             | 16V           |
|--|---------------|
| Hold Current(25°C)                       | 1025mA        |
| Measure Condition of Hold<br>Current     | (at +25°C)    |
| Hold Current (2)                         | 800mA         |
| Measure Condition of Hold<br>Current (2) | (at +60°C)    |
| Trip Current(25°C)                       | 1900mA        |
| Measure Condition of Trip<br>Current     | (at +25°C)    |
| Trip Current(2)                          | 2250mA        |
| Measure Condition of Trip<br>Current(2)  | (at -10°C)    |
| Max. Current                             | 8A            |
| Resistance (25°C)                        | 0.27Ω         |
| Resistance Value Tolerance (at 25°C)     | ±20%          |
| Curie Point(typ.)                        | 120℃          |
| Power Consumption(typ)                   | 1.8W          |
| Operating Temperature<br>Range           | -10°C to 60°C |
| D: Outer Dimension                       | 10.1mm        |
| Thickness                                | 3.5mm         |
| H: Height                                | 15mm          |
| F: Lead Space                            | 5mm           |
| d: Lead Diameter                         | 0.6mm         |
| Shape                                    | Lead          |
| Mass                                     | 0.38g         |
| MSL                                      | N             |

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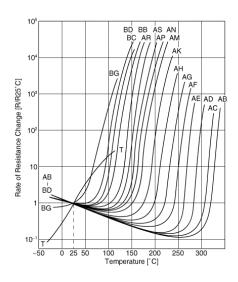
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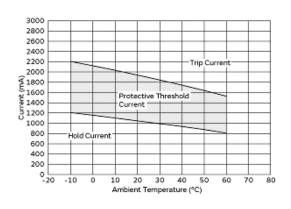
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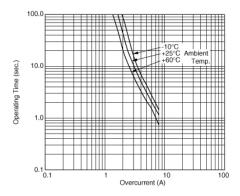


## **Product Data**





### Resistance-Temperature Charac.



## Protective Threshold Current Range

Operating Time (Typical Curve)

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