

Note: This datasheet may be out of date.

Please download the latest datasheet of PTGL05AR181M9N51B0 from the official website of Murata.

Manufacturing Co., Ltd.

https://www.murata.com/en-eu/products/productdetail?partno=PTGL05AR181M9N51B0

### PTGL05AR181M9N51B0





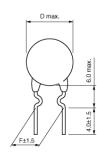


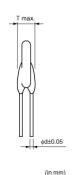




## Appearance & Shape









### Features

- 1. Best suited to meet the requirements for power supplies and motor protection. Error-free operations are 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.



Limited Usage

Consumer Grade



### Packaging Information

| Packaging | Specifications | Minimum<br>Order Quantity |
|-----------|----------------|---------------------------|
| В0        | Bulk(Bag)      | 500                       |

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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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0.5mm

Lead

0.37g

d: Lead Diameter

Shape

Mass

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# PTGL05AR181M9N51B0



| Max. Voltage                          | 265V          |
|---------------------------------------|---------------|
| Hold Current                          | 29mA          |
| Measure Condition of Hold Current     | (at +60°C)    |
| Hold Current (2)                      | 37mA          |
| Measure Condition of Hold Current (2) | (at +25°C)    |
| Trip Current                          | 60mA          |
| Measure Condition of Trip Current     | (at +25°C)    |
| Trip Current(2)                       | 70mA          |
| Measure Condition of Trip Current(2)  | (at -10°C)    |
| Max. Current                          | 0.3A          |
| Resistance (25°C)                     | 180Ω          |
| Resistance Value Tolerance (at 25°C)  | ±20%          |
| Power Consumption(typ)                | 0.9W          |
| Operating Temperature Range           | -10°C to 60°C |
| D: Outer Dimension                    | 6.5mm         |
| Thickness                             | 6.5mm         |
| F: Lead Space                         | 5mm           |

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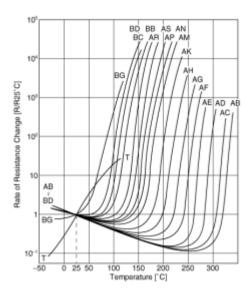


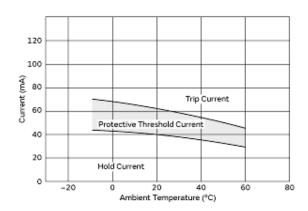
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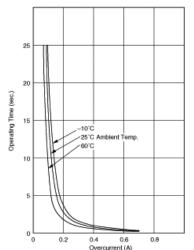
## PTGL05AR181M9N51B0







Resistance-Temperature Charac.



Protective Threshold Current Range

Operating Time (Typical Curve)

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