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Please download the latest datasheet of PTGL9SARR33M1B51B0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=PTGL9SARR33M1B51B0

## PTGL9SARR33M1B51B0









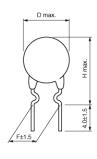
## **Applications**

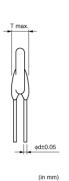
| Unsuitable               | Please be sure to read and comply with     |  |
|--------------------------|--|--|
| Applications             | these "Precautions for use."               |  |
| Specific<br>Applications | Automotive powertrain/safety equipment     |  |
|                          | Please 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. Best suited to meet the requirements for power supply 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.
- 5. 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



#### Product Search Data Sheet

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# PTGL9SARR33M1B51B0



## **Specifications**

| Max. Voltage                             | 16V           |
|--|---------------|
| Hold Current(25°C)                       | 875mA         |
| Hold Current (2)                         | 466mA         |
| Measure Condition of Hold<br>Current (2) | (at +85°C)    |
| Trip Current(25°C)                       | 1625mA        |
| Trip Current(2)                          | 2026mA        |
| Measure Condition of Trip<br>Current(2)  | (at -30°C)    |
| Max. Current                             | 7A            |
| Resistance (25°C)                        | 0.33Ω         |
| Resistance Value Tolerance (at 25°C)     | ±20%          |
| Curie Point(typ.)                        | 120℃          |
| Power Consumption(typ)                   | 1.7W          |
| Operating Temperature<br>Range           | -30°C to 85°C |
| D- Outer Dimension                       | 9mm           |
| Thickness                                | 3.5mm         |
| H- Height                                | 14mm          |
| F- Lead Space                            | 5mm           |
| d- Lead Diameter                         | 0.6mm         |
| Shape                                    | Lead          |
| Mass                                     | 0.3g          |
| MSL                                      | N             |

2 of 3

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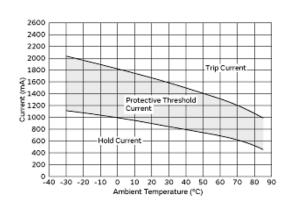
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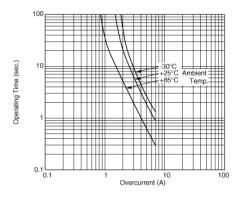


## **Product Data**





#### Resistance-Temperature Charac.



### Protective Threshold Current Range

Operating Time (Typical Curve)

3 of 3

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