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## PTGL5SAR1R0M1B51B0









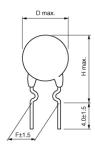
### **Applications**

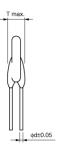
| Unsuitable            | Please be sure to read and comply with   |  |
|-----------------------|--|--|
| Applications          | these "Precautions for use."   |  |
| Specific Applications | Automotive powertrain/safety equipment Please refer to Our Website and specifications, etc. for information about 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







(in mm)

# Packaging Information

| Packaging | Specifications | Standard<br>Packing<br>Quantity |
|-----------|----------------|---------------------------------|
| B0        | 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



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# PTGL5SAR1R0M1B51B0



# **Specifications**

| Max. Voltage                             | 16V           |
|--|---------------|
| Hold Current(25°C)                       | 470mA         |
| Hold Current (2)                         | 252mA         |
| Measure Condition of Hold<br>Current (2) | (at +85°C)    |
| Trip Current(25°C)                       | 880mA         |
| Trip Current(2)                          | 1095mA        |
| Measure Condition of Trip<br>Current(2)  | (at -30°C)    |
| Max. Current                             | 2A            |
| Resistance (25°C)                        | 1Ω            |
| Resistance Value Tolerance<br>(at 25°C)  | ±20%          |
| Curie Point(typ.)                        | 120℃          |
| Power Consumption(typ)                   | 1.4W          |
| Operating Temperature<br>Range           | -30°C to 85°C |
| D- Outer Dimension                       | 6mm           |
| Thickness                                | 3.5mm         |
| H- Height                                | 9.5mm         |
| F- Lead Space                            | 5mm           |
| d- Lead Diameter                         | 0.6mm         |
| Shape                                    | Lead          |
| Mass                                     | 0.13g         |
| MSL                                      | N             |

2 of 3

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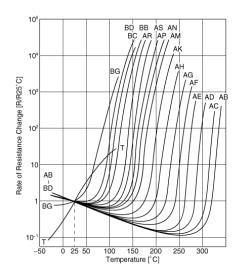
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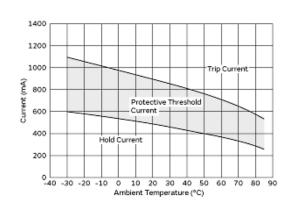
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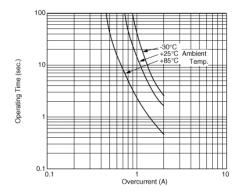


## **Product Data**





#### Resistance-Temperature Charac.



#### Protective Threshold Current Range

#### Operating Time (Typical Curve)

3 of 3

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