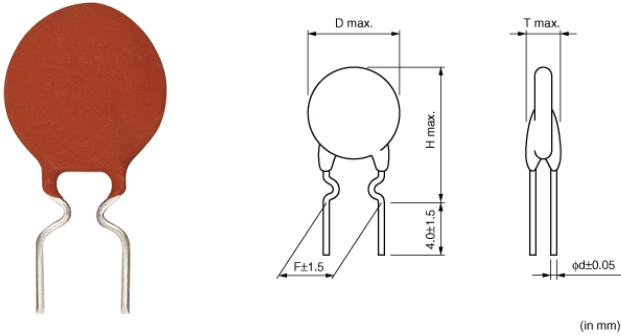


# PTGL9SAS120K6B51B0



## Appearance & Shape



## Features

1. Useful protective threshold current range with a wide temperature range.
2. Small fluctuation in the circuit due to resistance tolerance +/- 10%.
3. Quick operating time due to small size compared with conventional products.
4. Best suited to meet the requirements of power supply and motor protector. Error-free operation is 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.
8. Lead (Pb) is not contained in the terminations.

## Applications

|                  |                  |
|------------------|------------------|
| Automotive Usage | Infotainment     |
| Limited Usage    | Automotive Grade |

## Packaging Information

| Packaging | Specifications | Standard Packing Quantity |
|-----------|----------------|---------------------------|
| B0        | Bulk(Bag)      | 500                       |

**Attention**  
 1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.  
 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.

# PTGL9SAS120K6B51B0



## Specifications

|                                       |                |
|---------------------------------------|----------------|
| Max. Voltage                          | 140V           |
| Hold Current(25°C)                    | 244mA          |
| Measure Condition of Hold Current     | (at +25°C)     |
| Hold Current (2)                      | 146mA          |
| Measure Condition of Hold Current (2) | (at +85°C)     |
| Hold Current (3)                      | 102mA          |
| Measure Condition of Hold Current (3) | (at +105°C)    |
| Trip Current(25°C)                    | 324mA          |
| Measure Condition of Trip Current     | (at +25°C)     |
| Trip Current(2)                       | 413mA          |
| Measure Condition of Trip Current(2)  | (at -40°C)     |
| Max. Current                          | 2A             |
| Resistance (25°C)                     | 12Ω            |
| Resistance Value Tolerance (at 25°C)  | ±10%           |
| Curie Point(typ.)                     | 130°C          |
| Power Consumption(typ)                | 1.9W           |
| Operating Temperature Range           | -40°C to 125°C |
| D: Outer Dimension                    | 9.3mm          |
| Thickness                             | 4.5mm          |
| H: Height                             | 14.3mm         |
| F: Lead Space                         | 5mm            |
| d: Lead Diameter                      | 0.6mm          |
| Shape                                 | Lead           |

|      |       |
|------|-------|
| Mass | 0.44g |
| MSL  | N     |

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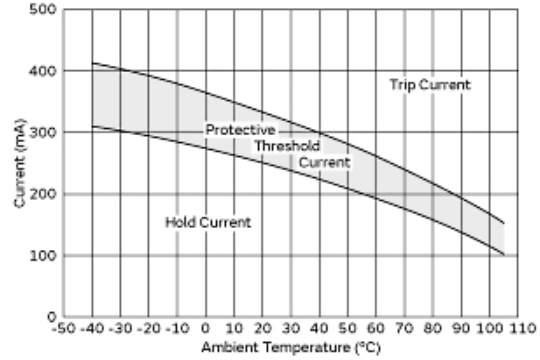
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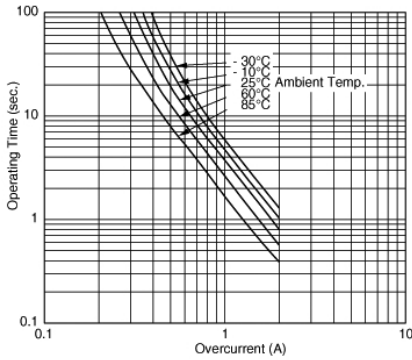
## Product Data



Resistance-Temperature Charac.



Protective Threshold Current Range



Operating Time (Typical Curve)

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