

Product Search Data Sheet

Note: If you have not downloaded this document from our official website, please note that the information provided may not be the most current.

Please download the latest datasheet of PTGL12AS1R2K3B51B0 from the official website of Murata

http://www.murata.com/en/products/productdetail?partno=PTGL12AS1R2K3B51Bi

PTGL12AS1R2K3B51B0









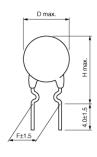
Applications

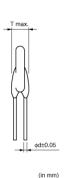
| Unsuitable | Please be sure to read and comply with | |
|--------------------------|--|--|
| Applications | these "Precautions for use." | |
| Specific Applications | Industrial Equipment | |
| | Please refer to Our Website and | |
| | specifications, etc. for information about | |
| | the performance, 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 Packing Quantity |
|-----------|----------------|---------------------------------|
| В0 | Bulk(Bag) | 300 |



Features

- 1. Small fluctuation in the circuit due to resistance tolerance +/-10%
- 2. Narrow current range (less than twice) between operating and non-operating current at -10 to 60 degrees C.
- 3. Quick operating time due to small size compared with conventional products.
- 4. Best suited to meet the requirements for power supplies and motor protection. Error-free operations are 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.

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2. This datasheet has only typical specifications because there is no space for detailed specifications.

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Specifications

| Max. Voltage | 51V |
|--|---------------|
| Hold Current(25°C) | 749mA |
| Hold Current (2) | 592mA |
| Measure Condition of Hold Current (2) | (at +60°C) |
| Trip Current(25°C) | 996mA |
| Trip Current(2) | 1168mA |
| Measure Condition of Trip Current(2) | (at -10°C) |
| Max. Current | 5A |
| Resistance (25°C) | 1.2Ω |
| Resistance Value Tolerance (at 25°C) | ±10% |
| Curie Point(typ.) | 130℃ |
| Power Consumption(typ) | 2.4W |
| Operating Temperature Range | -30°C to 85°C |
| D- Outer Dimension | 11.5mm |
| Thickness | 3.5mm |
| H- Height | 16.5mm |
| F- Lead Space | 5mm |
| d- Lead Diameter | 0.6mm |
| Shape | Lead |
| Mass | 0.63g |
| MSL | N |

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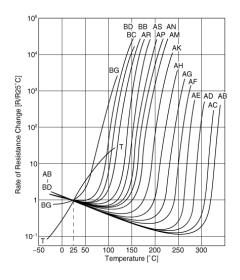
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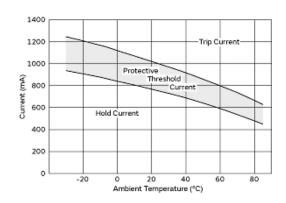
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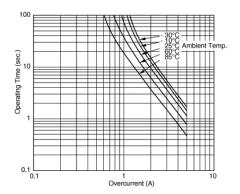


Product Data





Resistance-Temperature Charac.



Protective Threshold Current Range

Operating Time (Typical Curve)

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