

Note: This datasheet may be out of date. Please download the latest datasheet of PTGLCSAS1R2K3B51B0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-sg/products/productdetail?partno=PTGLCSAS1R2K3B51B0

PTGLCSAS1R2K3B51B0









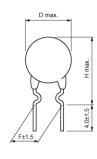
Applications

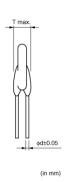
| Unsuitable | Please be sure to read and comply with | |
|--------------------------|--|--|
| Applications | these "Precautions for use." | |
| Specific Applications | Automotive powertrain/safety equipment | |
| | Please refer to Our Website and | |
| | specifications, etc. for information about |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







Packaging Information

| Packaging | Specifications | Standard Packing Quantity |
|-----------|----------------|---------------------------------|
| В0 | Bulk(Bag) | 300 |



Features

- 1. Useful protective threshold current range with a wide temperature range.
- 2. Small fluctuation in the circuit due to resistance tolerance +/-
- 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.

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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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Specifications

| Max. Voltage | 51V |
|--|----------------|
| Hold Current(25°C) | 749mA |
| Hold Current (2) | 449mA |
| Measure Condition of Hold Current (2) | (at +85°C) |
| Hold Current (3) | 315mA |
| Measure Condition of Hold Current (3) | (at +105°C) |
| Trip Current(25°C) | 996mA |
| Trip Current(2) | 1270mA |
| Measure Condition of Trip Current(2) | (at -40°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 | -40°C to 125°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 | 0.59g |
| MSL | N |

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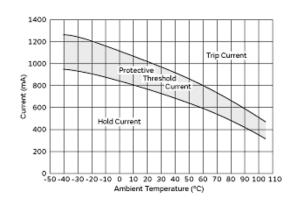
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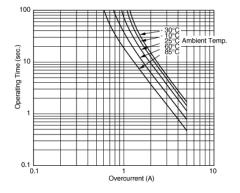


Product Data





Resistance-Temperature Charac.



Protective Threshold Current Range

Operating Time (Typical Curve)

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