Note: This datasheet may be out of date.

Please download the latest datasheet of PTGL7SAS1R8K2B51B0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-gb/products/productdetail?partno=PTGL7SAS1R8K2B51B0

## PTGL7SAS1R8K2B51B0









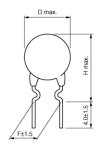
## **Applications**

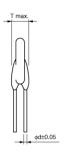
Unsuitable	Please be sure to read and comply with	
Applications	these "Precautions for use."	
Specific Applications	Automotive powertrain/safety equipment	
	Please refer to Our Website and	
	specifications, etc. for information about	
	the performance, functions, quality,	
	management, and safety required 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 Packing Quantity
В0	Bulk(Bag)	500



#### **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.

1 of 3

#### 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



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Manufacturing Co., Ltd.

## PTGL7SAS1R8K2B51B0



## **Specifications**

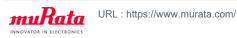
Max. Voltage	30V
Hold Current(25°C)	532mA
Hold Current (2)	319mA
Measure Condition of Hold Current (2)	(at +85°C)
Hold Current (3)	223mA
Measure Condition of Hold Current (3)	(at +105°C)
Trip Current(25°C)	708mA
Trip Current(2)	902mA
Measure Condition of Trip Current(2)	(at -40°C)
Max. Current	5A
Resistance (25°C)	1.8Ω
Resistance Value Tolerance (at 25°C)	±10%
Curie Point(typ.)	130℃
Power Consumption(typ)	1.7W
Operating Temperature Range	-40°C to 125°C
D- Outer Dimension	7.3mm
Thickness	3.5mm
H- Height	12.3mm
F- Lead Space	5mm
d- Lead Diameter	0.6mm
Shape	Lead
Mass	0.27g
MSL	N

2 of 3

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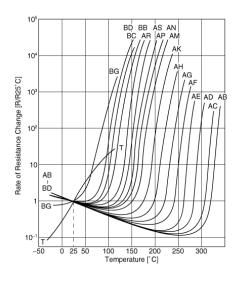
Please download the latest datasheet of PTGL7SAS1R8K2B51B0 from the official website of Murata Manufacturing Co., Ltd.

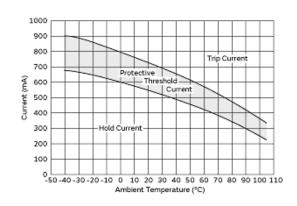
http://www.murata.com/en-gb/products/productdetail?partno=PTGL7SAS1R8K2B51B0

# PTGL7SAS1R8K2B51B0

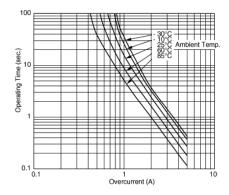


#### **Product Data**





#### Resistance-Temperature Charac.



#### Protective Threshold Current Range

Operating Time (Typical Curve)

3 of 3

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