Note: This datasheet may be out of date.

Please download the latest datasheet of PTGL4SAS220K4B51B0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=PTGL4SAS220K4B51B0

## PTGL4SAS220K4B51B0









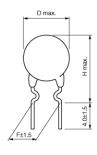
## **Applications**

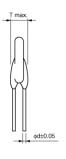
Unsuitable	Please be sure to read and comply with		
Applications	these "Precautions for use."		
Specific Applications	Automotive powertrain/safety equipment		
	Please refer to Our Website and		
	specifications, etc. for information about		
	the performance, functions, quality,		
	management, and safety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

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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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# PTGL4SAS220K4B51B0



# **Specifications**

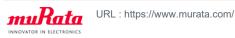
Max. Voltage	60V
Hold Current(25°C)	145mA
Hold Current (2)	87mA
Measure Condition of Hold Current (2)	(at +85°C)
Hold Current (3)	61mA
Measure Condition of Hold Current (3)	(at +105°C)
Trip Current(25°C)	193mA
Trip Current(2)	246mA
Measure Condition of Trip Current(2)	(at -40°C)
Max. Current	1A
Resistance (25°C)	22Ω
Resistance Value Tolerance (at 25°C)	±10%
Curie Point(typ.)	130℃
Power Consumption(typ)	1.3W
Operating Temperature Range	-40°C to 125°C
D- Outer Dimension	4.5mm
Thickness	3.5mm
H- Height	9.5mm
F- Lead Space	5mm
d- Lead Diameter	0.6mm
Shape	Lead
Mass	0.26g
MSL	N

2 of 3

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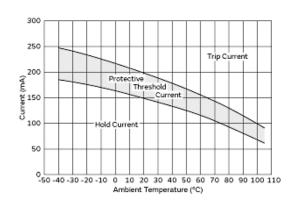
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# PTGL4SAS220K4B51B0

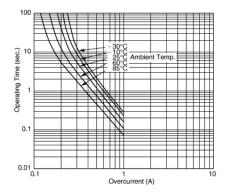


## **Product Data**





### Resistance-Temperature Charac.



## Protective Threshold Current Range

### Operating Time (Typical Curve)

3 of 3

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