Note: This datasheet may be out of date.

Please download the latest datasheet of PTGL05AS3R9K2B51B0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=PTGL05AS3R9K2B51B0

# PTGL05AS3R9K2B51B0









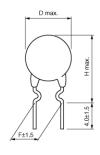
## **Applications**

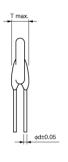
Unsuitable	Please be sure to read and comply with
Applications	these "Precautions for use."
Specific Applications	Industrial Equipment
	Please refer to Our Website and
	specifications, etc. for information about
	the performance, functions, quality,
	management, and safety required for
	the above applications, and use
	Products after confirming the
	performance and reliability of the actual
	Product.



## Appearance & Shape







(in mm)

# Packaging Information

	Packaging	Specifications	Standard
			Packing
			Quantity
	BO	Bulk(Bag)	500



#### **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.

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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# PTGL05AS3R9K2B51B0



# **Specifications**

Max. Voltage	30V
Hold Current(25°C)	340mA
Hold Current (2)	269mA
Measure Condition of Hold Current (2)	(at +60°C)
Trip Current(25°C)	452mA
Trip Current(2)	530mA
Measure Condition of Trip Current(2)	(at -10°C)
Max. Current	3.5A
Resistance (25°C)	3.9Ω
Resistance Value Tolerance (at 25℃)	±10%
Curie Point(typ.)	130℃
Power Consumption(typ)	1.6W
Operating Temperature Range	-30°C to 85°C
D- Outer Dimension	5.5mm
Thickness	3.5mm
H- Height	10.5mm
F- Lead Space	5mm
d- Lead Diameter	0.6mm
Shape	Lead
Mass	0.17g
MSL	N

2 of 3

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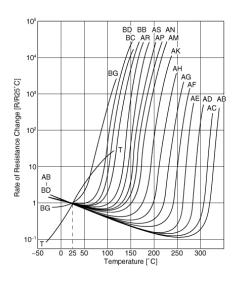
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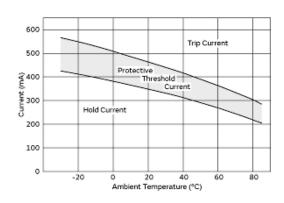
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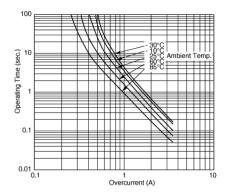


### **Product Data**





#### Resistance-Temperature Charac.



### Protective Threshold Current Range

#### Operating Time (Typical Curve)

3 of 3

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