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http://www.murata.com/en-us/products/productdetail?partno=PTGL09BD3R3N2B51B0

## PTGL09BD3R3N2B51B0









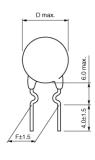
#### **Applications**

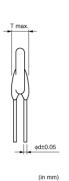
Unsuitable	Please be sure to read and comply with	
Applications	these "Precautions for use."	
Specific Applications	Industrial Equipment	
	Please refer to Our Website and	
	specifications, etc. for information about	
	the performance, functions, quality,	
	management, and safety required for	
	the above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



#### Appearance & Shape







## Packaging Information

Packaging	Specifications	Standard Packing Quantity
B0	Bulk(Bag)	500



#### **Features**

- 1. Best suited to meet the requirements of the short-circuit test. Quick response compared with current fuse and resistor and errorfree operation are assured.
- 2. Small size save board space. Capable of being mounted anywhere because replacement is not required.
- 3. Actuates by excessive current during the short-circuit test to restrain abnormal heat generation in other circuit components and printed boards.

This state will be maintained until the abnormal state is removed or power is turned off to reset the "POSISTOR" to the original state. Surface temperature of "POSISTOR" is kept low, below a certain value, during the actuation.

4. 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

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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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## PTGL09BD3R3N2B51B0



## **Specifications**

Max. Voltage	24V
Hold Current(25°C)	248mA
Hold Current (2)	140mA
Measure Condition of Hold Current (2)	(at +60°C)
Trip Current(25°C)	461mA
Trip Current(2)	580mA
Measure Condition of Trip Current(2)	(at -10°C)
Max. Current	2A
Resistance (25°C)	3.3Ω
Resistance Value Tolerance (at 25°C)	±30%
Curie Point(typ.)	80℃
Power Consumption(typ)	1.1W
Operating Temperature Range	-10°C to 60°C
D- Outer Dimension	9.5mm
Thickness	4mm
F- Lead Space	5mm
d- Lead Diameter	0.6mm
Shape	Lead
Mass	0.48g
MSL	N

2 of 3

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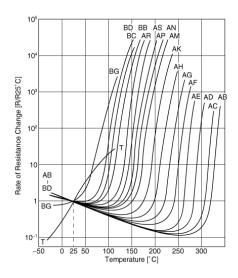
Please download the latest datasheet of PTGL09BD3R3N2B51B0 from the official website of Murata Manufacturing Co., Ltd.

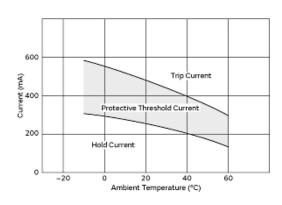
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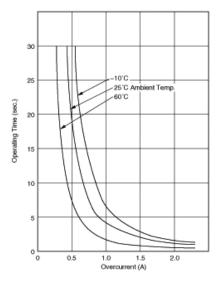


#### **Product Data**





#### Resistance-Temperature Charac.



### Protective Threshold Current Range

Operating Time (Typical Curve)

3 of 3

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