

# POSISTOR<sup>®</sup> for Circuit Protection

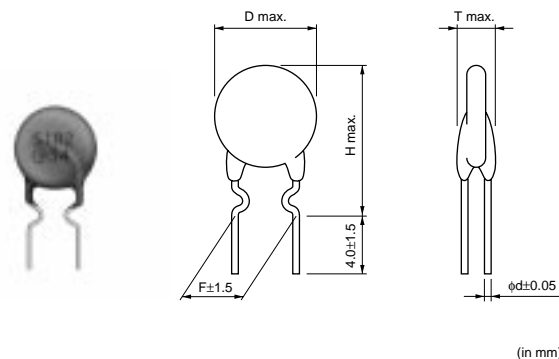


## for Overcurrent Protection Narrow Current Band 30V Series

This product is leaded type PTC thermistor for overcurrent protection which is suitable for the current limiting resistor.

### ■ Features

1. Small fluctuation in the circuit due to resistance tolerance  $\pm 10\%$ .
2. Narrow current range (less than twice) between operating and non-operating current at  $-10$  to  $60$  degree C.
3. Quick operating time due to small size compared with conventional products.
4. Best suited to meet the requirements for power supply and motor protector. 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.
8. Lead (Pb) is not contained in the terminations.



(in mm)

Part Number	Max. Voltage (V)	Non-operating Current at $+60^{\circ}\text{C}$ (mA)	Operating Current at $-10^{\circ}\text{C}$ (mA)	Max. Current (A)	Resistance (at $25^{\circ}\text{C}$ ) (ohm)	Curie Point ( $^{\circ}\text{C}$ )	Body Diameter (D) (mm)	Thickness (T) (mm)	Lead Space (F) (mm)	Lead Diameter ( $\phi d$ ) (mm)
PTGL04AS100K2N51B0	30	122	240	1.5	$10 \pm 10\%$	130 (AS)	4.5	3.5	5.0	0.5
PTGL04AS100K2B51B0	30	167	330	2.0	$10 \pm 10\%$	130 (AS)	4.5	3.5	5.0	0.6
PTGL05AS3R9K2B51B0	30	269	530	3.5	$3.9 \pm 10\%$	130 (AS)	5.5	3.5	5.0	0.6
PTGL07AS2R7K2B51B0	30	336	663	4.5	$2.7 \pm 10\%$	130 (AS)	7.3	3.5	5.0	0.6
PTGL07AS1R8K2B51B0	30	420	829	5.0	$1.8 \pm 10\%$	130 (AS)	7.3	3.5	5.0	0.6
PTGL09AS1R2K2B51B0	30	556	1097	6.0	$1.2 \pm 10\%$	130 (AS)	9.3	3.5	5.0	0.6
PTGL12AS0R8K2B51B0	30	685	1352	7.0	$0.8 \pm 10\%$	130 (AS)	11.5	3.5	5.0	0.6

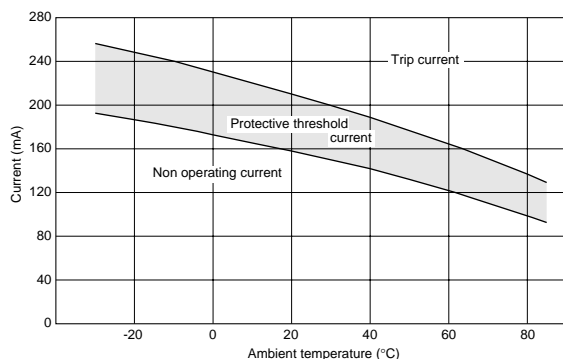
Maximum Current shows typical capacities of the transformer which can be used.

The order quantity should be an integral multiple of the "Minimum Quantity" shown in the "Package" page.

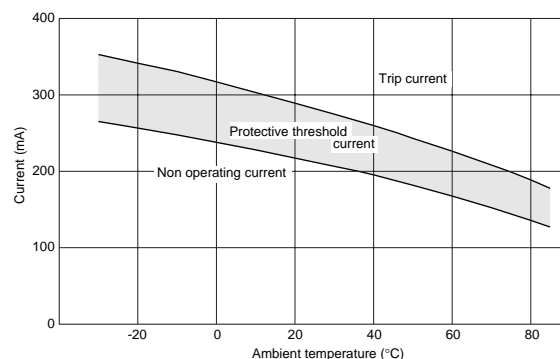
Taping type is also available.

### ■ Protective Threshold Current Range

PTGL04AS100K2N51B0



PTGL04AS100K2B51B0

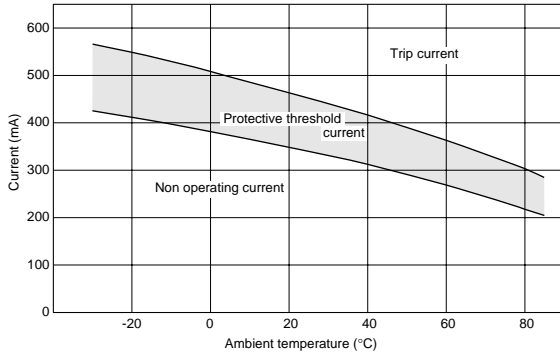


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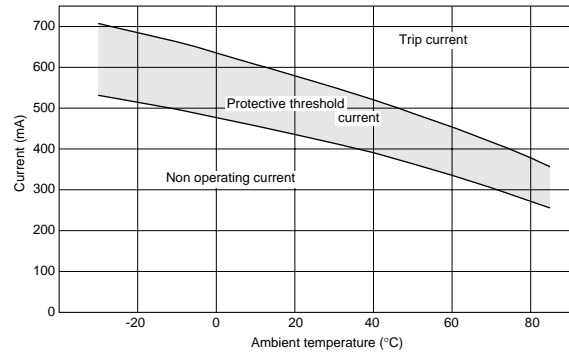
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■ Protective Threshold Current Range

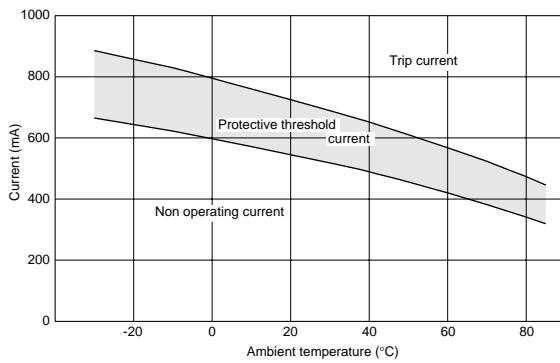
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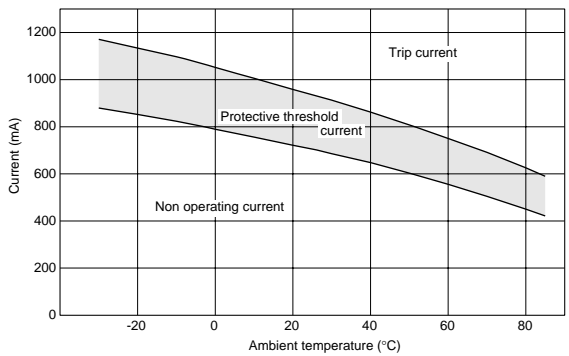
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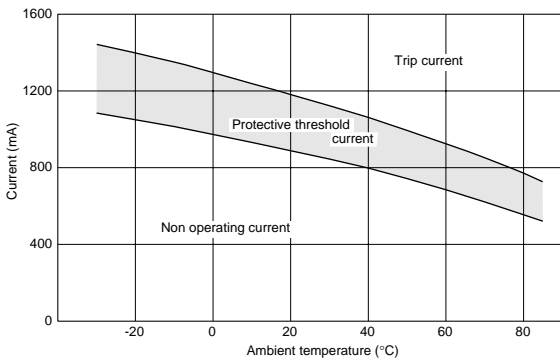
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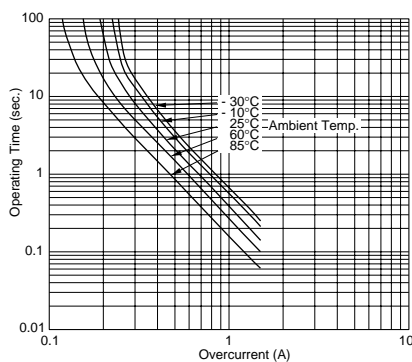


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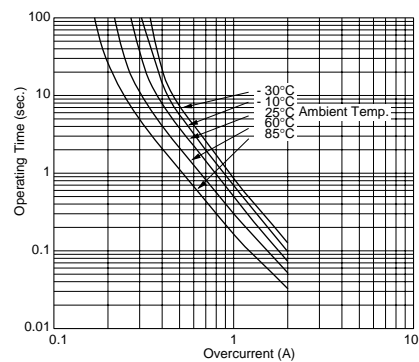


■ Operating Time (Typical Curve)

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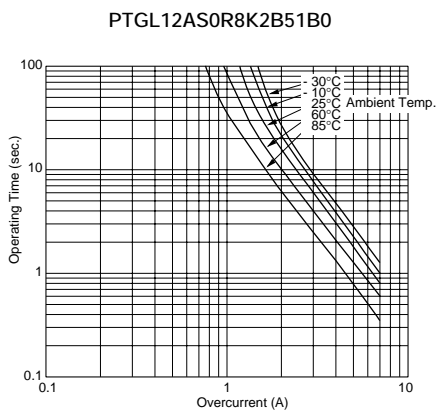
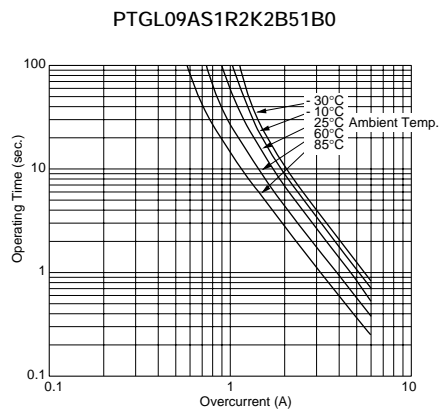
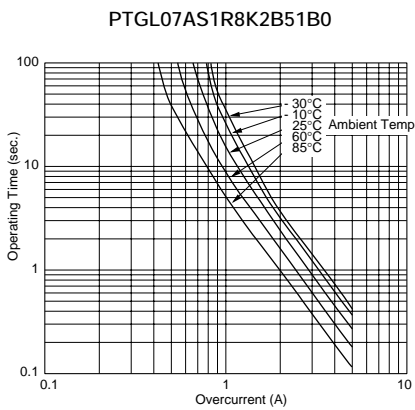
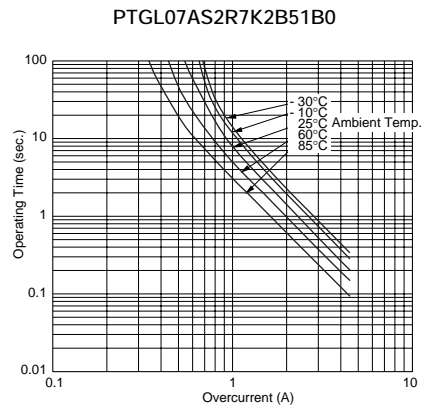
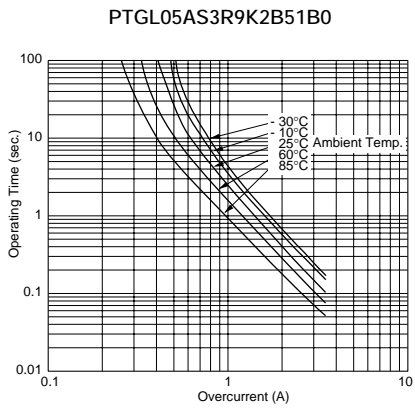
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■ Operating Time (Typical Curve)



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