

Epoxy-Coated NTC Thermistor with Insulated Lead-wires

Features:

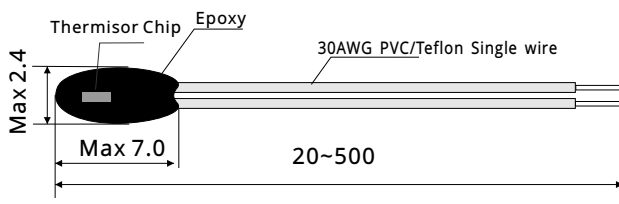
- Epoxy resin encapsulation with excellent stability and reliability
- Fast thermal response
- Multiple insulated lead wire options: PVC, Teflon and Kynar wires
- Wide operating temperature range: -40°C ~ 150°C
- Ultra-high precision with tight resistance tolerance down to $\pm 0.1^\circ\text{C}$
- Customizable wire lengths, sizes and optional custom probe assemblies

Applications:

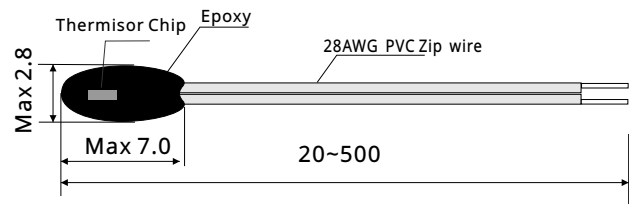
- Consumer electronic rechargeable battery packs
- Room thermostats
- Office automation equipment
- PCB-mounted over-temperature protection for circuit boards
- Automotive systems including seat heater control and engine temperature management
- Industrial temperature control instruments and assembled temperature sensing probes

Dimensions mm:

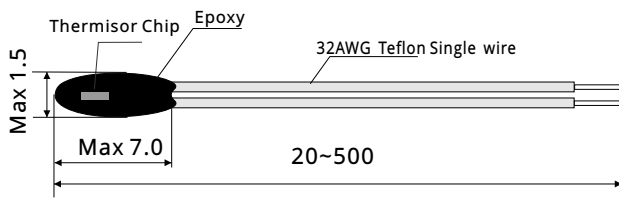
TP51:



TP52:



TP53:



Specification:

Product Number	R25	Tolerance	B value	Dissipation factor mW/°C	Time constant In still air	Max Power at 25°C	Operating temperature
TP51-2K3470R1A01	2kΩ	±1%	3470±1%	approx. 1.5	approx. 12s	50mW	PVC wire -40~105°C
TP52-5K3977R1	5kΩ		3977±1%				
TP51-10K3435R1A02	10kΩ	±1%	3435±1%	approx. 1.5	approx. 12s	50mW	Teflon wire -40~150°C
TP52-12K3760R1	12kΩ		3760±1%				
TP53-50K3950R1	50kΩ	±1%	3950±1%	approx. 0.7	approx. 5s	30mW	
TP53-100K4200R1	100kΩ		4200±1%				

- Lead wires length, resistance and B value could as per customer specification.
- Alternative specifications can be provided on request.