Tel : 82-32-817-4325
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Resistors And
Resistive Applications

PTC Heater

PTC or "Positive Temperature Coefficient of Resistance" heaters are safe and reliable thermistors made of functional semiconductor materials. As the temperature increases beyond the Tc point, the resistance goes down and the temperature falls below Tc point. Then the resistance increases again. This kind of effect is called the "PTC domino effect".

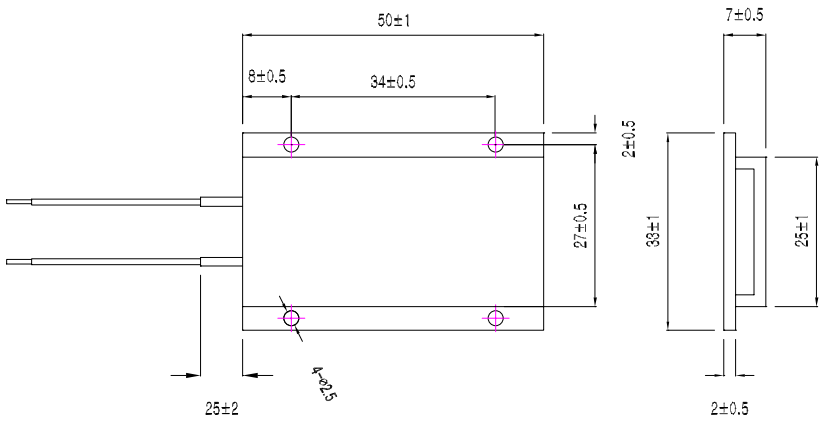
■ GENERAL SPECIFICATIONS

Model	Wattage Rating	Resistance	Max Current	Surface Temperature
YB80-240/150/021 1 220V	3.7W (220V, 0.017A)	500~2KΩ (at 25°C)	220V not more than 2A	85±10°C

■ CHARACTERISTICS

Insulation Resistance		DC500V, 20MΩ Minimum
Withstanding Voltage		AC 3750V for 2min.; Max. leakage current : 1mA
Life cycle test	±10% performance change	Apply 220V for 2000min

■ DIMENSIONS

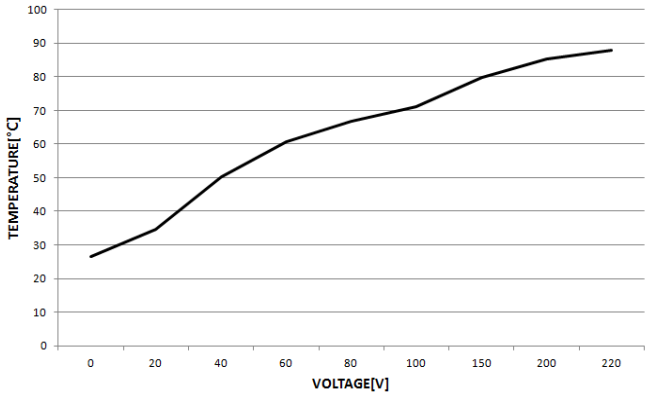


*Lead wire pipe : Plastic Ø1.5, Length 25±2mm

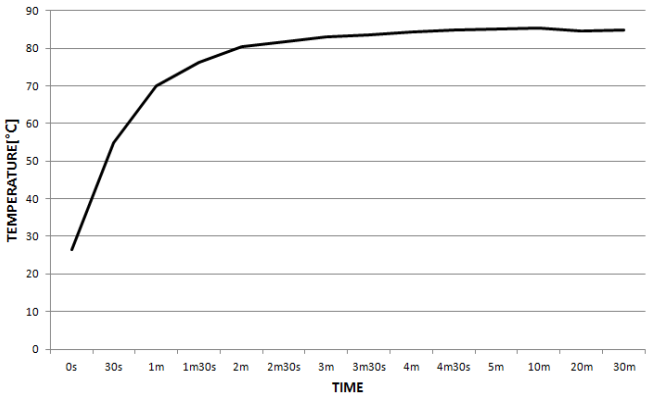
*Power lead wire : UL1332 Black color, 22AWG

*Lead wire strength : 1.5kgf for 1min

■ SURFACE TEMPERATURE



Increase versus voltage



Increase versus time at Rated Voltage