

PTC Thermistor PTC HIGH POWER HEATER

Features:

- High power density in a compact design
- Low cost design
- Rapid heatup
- Can accommodate a wide array of PTC thermistor elements
- Rated power output to 1500W
- Rugged construction
- Requires no thermostat
- Virtually unlimited life with no moving parts

Options:

- Rated power and switchpoints
- Size and number of heating elements
- Voltage ratings

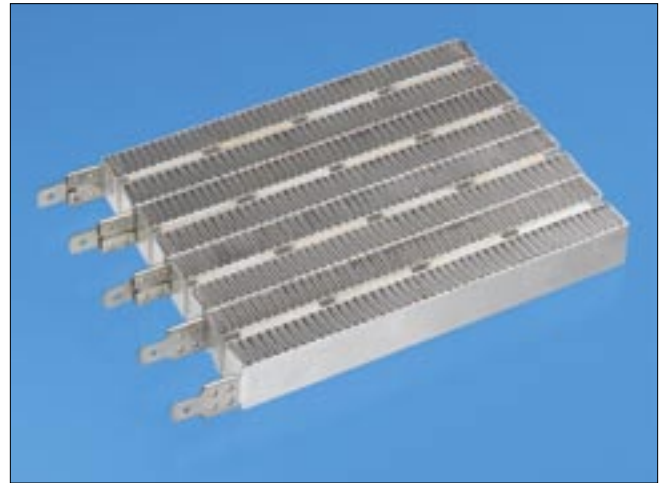
Description:

ATP's PTC High Power Heaters are compact heating devices that utilize proven ceramic PTC technology to act as the heating element. PTC thermistors are self-regulating elements and can operate at a nearly constant temperature over a wide range of voltage and environmental conditions.

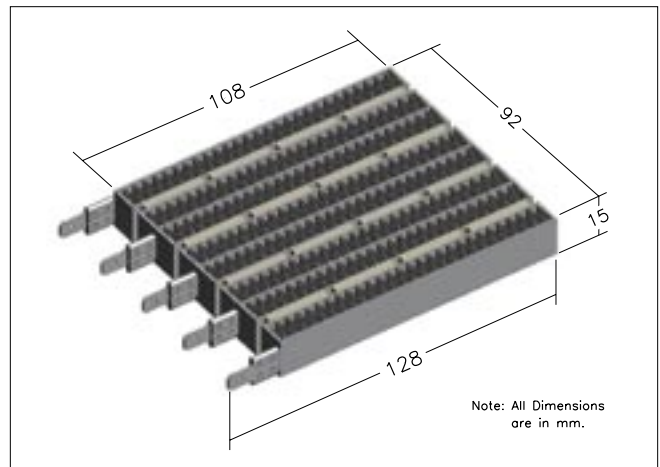
This high power heater assembly utilizes one or more PTC heating elements sandwiched between rigid aluminum fins that serve to maximize the heating surface area as well as protect the PTC elements. A number of PTCs are used together in parallel to increase the amount of heat generated and to spread that heat over a wider area. Air from a fan or other similar air-moving device is used to dissipate heat from the PTC and to move it to the area or object that is to be heated

These heaters are ideal where low-cost heating of an area is desired. They require no thermostat or other controlling device and can be used alone or combined with a number of other devices to heat a large area. Applications include space heaters, CCTV cameras, mat/cushion heaters, telecommunications equipment, vehicle/windshield heaters and many others.

Please contact the factory to discuss your specific application or to discuss the availability of any options.



PTC High Power Heater



Ordering Information

ATP Part Number	R ₂₅ (Ω)	V _{max}	T _c (°C)
PZ9-HP701A	300 -1000	120V	190 ± 10°C
PZ9-HP701B	300 -1000	120V	210 ± 10°C
PZ9-HP701C	300 -1000	120V	230 ± 10°C
PZ9-HP701D	300 -1000	120V	250 ± 10°C

Size of PTC = 24mm x 15mm x 2.1mm
 Size of Al plate = 23.5mm x 9.5mm x 0.5mm
 V_{max} = 220V available upon request