

PTC ELEMENTS – POSITIVE TEMPERATURE COEFFICIENT

PTC elements offer many advantages such as quick and uniform heating of the element and no power variation despite the presence of air flow. They have a self-regulating function and a long life-time. There is no risk of overheating. PTC technology is also used in tubular and flexible elements.



Material	PTC termistors and aluminium strips, joined with soldering and gluing. Possibly frame of heat resistant plastic Stainless steel: EN 1.4404 or EN 1.4301	Connection	Voltages: 110-400 VAC, 12-36 VDC
Fields of application	Air heaters Drying appliances Compartment heaters Warming plates Glue guns Tool heating Heating systems for vehicles Dehumidifiers Tumble Driers	Types	Heating elements Immersion heaters Heating chips As accessory to heating elements As accessory to flexible elements 12 mm tubular element
Assembly	Assembly in a frame of heat resistant plastic In-building in the actual application Casting in heat resistant plastic Nipple Customer specific aluminium profiles	Others	Switching temperature: Curie point min 50°C, max 260 °C



Example of product design