

Product Spotlight

PTC Thermistors as Heaters and Current Limiters

PTC Heaters – Self-regulating heaters in simple and complex 2D and 3D shapes that are highly reliable in demanding applications.

PTC Current Limiters – Used to limit the current in a circuit in the event of a fault condition. They can be used in place of conventional fuses, and they don't typically require replacement in the event of a fault.

Shaped 2D PTC Heaters

Features & Benefits

- Shapes: trapezoids, parallelograms, circular or rectangular washers
- Wide range of switch points: -10°C to 200°C
- Self-regulating properties Power required in lower ambient temperature conditions
- Proven reliability on Angle of Attack Aircraft Sensors and similar applications

Applications

- Aerospace Ice prevention
- Medical
- LCD display Maintain LCD temperature in cold conditions

3D PTC Heaters

Features & Benefits

- Overcomes geometric limitations of conventional 2D pressed powder heaters
- · Curved surfaces and aerodynamic shapes
- Operating temperatures no higher than 200°C
- Self-regulating properties
- Uses a novel forming process for PTC ceramic that is similar to injection molding

Applications

- Oil & Gas Pipeline flow, sensor and valve de-icing
- Space Fuel line heating in satellites
- Aerospace Sensor, bearing and nose cone de-icing
- Healthcare Sleep apnea and humidity control
- · Renewables De-icing on wind turbines

PTC Current Limiters

Features & Benefits

- Wide range of operating currents
- Operation up to 1000 Vrms (p/n YS4020)
- · Coated, uncoated and tape -and- reel options
- · Excellent stability to original resistance post reset
- RoHS & REACH compliant

Applications

- · Protection of power supplies and transformers
- Protection of multi-meter inputs
- Fans and small motors locked rotor protection





PTC Current Limiters







3D PTC Heaters



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