

PTC 12

Category	Sensors, Transducers
Family	Thermistors - PTC
Resistance in Ohms @ 25°C	12
Resistance Tolerance	±20%
Operating Temperature	0°C ~ 70°C
Switch temperature	140 °C
Power - Max	7.8mW
Maximum voltage	145 V
Holding current	0.047 to 1A
Mounting Type	Through Hole



Description

These directly heated thermistors have a positive temperature coefficient and are primarily intended for overload protection. They consist of a naked disk with two tinned brass or copper clad steel leads and are coated with a high temperature silicone UL 94 V-0 coating.

Features

- Wide range of trip and non-trip currents: From 47 mA up to 1 A for the non-trip current.
- Small ratio between trip and non-trip currents ($I_t/I_{nt} = 1.5$ at 25 °C).
- High maximum inrush current (up to 13 A).
- Leaded parts withstand mechanical stresses and vibration.

Application

Over-temperature/over-load protection:

- Telecommunications
- Automotive systems
- Industrial electronics
- Consumer electronics
- Electronic data processing.

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