

## PTC 15

**80C 15 Ohm DC 60V 1.5A 80mA**

|                                  |                      |
|----------------------------------|----------------------|
| <b>Category</b>                  | Sensors, Transducers |
| <b>Family</b>                    | Thermistors - PTC    |
| <b>Resistance in Ohms @ 25°C</b> | 15                   |
| <b>Resistance Tolerance</b>      | ±20%                 |
| <b>Operating Temperature</b>     | 80°C                 |
| <b>Switch temperature</b>        | 140 °C               |
| <b>Power - Max</b>               | 6.9 mW               |
| <b>Maximum voltage</b>           | 60 V                 |
| <b>Holding current</b>           | 0.08 to 1.5A         |
| <b>Mounting Type</b>             | 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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