



# PTC THERMISTORS: TYPE PTD

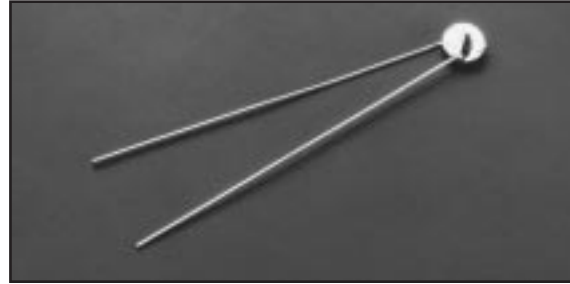
## OVER-TEMPERATURE PROTECTION

### DESCRIPTION:

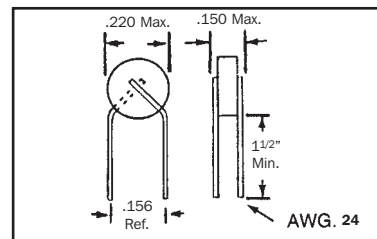
PTC disc thermistor for measurement and control

### FEATURES:

- Low cost thermistor disc for limit temperature monitoring
- Well defined resistance and curve ease circuit design
- High sensitivity to small changes in temperature
- Available in a broad range of transition temperatures
- Exhibits large positive increases in resistance with temperature
- Coated devices available
- Resistance/temperature characteristic is infinitely repeatable and has no hysteresis associated with its action
- Available tape and reel to EIA RS-468A



### DIMENSIONS:



| Type                  | Transition Temperature | Accuracy Temperature $\pm 5^{\circ}\text{C}$ |
|-----------------------|------------------------|----------------------------------------------|
| RL2006-100-30-30-PTD  | 30°C                   | 45°C                                         |
| RL2006-100-40-30-PTD  | 40°C                   | 55°C                                         |
| RL2006-100-50-30-PTD  | 50°C                   | 65°C                                         |
| RL2006-100-60-30-PTD  | 60°C                   | 75°C                                         |
| RL2006-100-70-30-PTD  | 70°C                   | 85°C                                         |
| RL2006-100-80-30-PTD  | 80°C                   | 95°C                                         |
| RL2006-100-90-30-PTD  | 90°C                   | 105°C                                        |
| RL2006-100-100-30-PTD | 100°C                  | 115°C                                        |
| RL2006-100-110-30-PTD | 110°C                  | 125°C                                        |
| RL2006-100-120-30-PTD | 120°C                  | 135°C                                        |

### OPTIONS:

- Reel-taped, replace "PTD" suffix with "PDR"
- Coated, replace "PTD" suffix with "PDC"
- Coated and reel-taped, replace "PTD" suffix with "PDCR"
- Other resistances
- Other tolerances, other transition temperatures
- Other voltage ratings

### DATA:

**Resistance @ 25°C:** .....150Ω max.

**Resistance at Accuracy Temperature ( $\pm 5^{\circ}\text{C}$ )**  
.....1000Ω

**Max voltage:**.....30V

**Time Constant:**.....20 sec.

**Dissipation Constant:** .....2.6 mW/ °C