

THERMISTORS

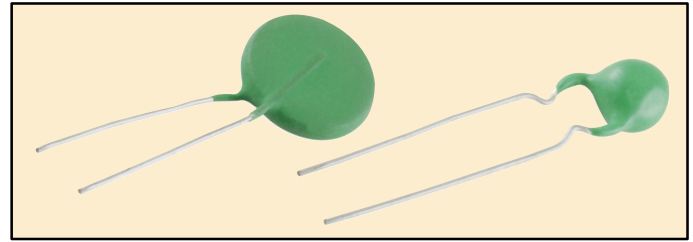
PTC Radial Lead Types

Description

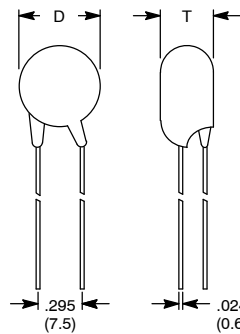
NTE's PTC thermistors are small-sized radial lead organic silicon resin thermistors designed for overcurrent and overload protection.

Product Applications

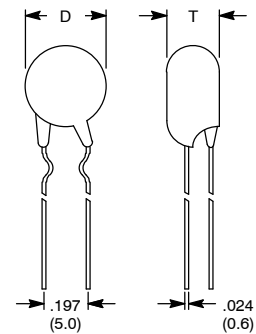
- Overload and Current Protection of Mini Voltage Transformer Primary Loops, Chargers, Safe Guard Unit and Thunder Surge Protection Circuit for Telecom Apparatus, and Industry-Controlling Exchangers
- Overcurrent Protection for Ammeters, Digital Multimeters, Micro-Electric Machinery, and Transistors



T-02



T-03



Specifications

Zero Power resistance (at 25°): ±20%

Surge Voltage Withstanding: $V_{max} \times (1.2 \text{ to } 1.5)$

Restore Time: 60 sec max

Operating Temperature Range: -40° to +125°C

| NTE Type No. | Max Operating Voltage V_{max} (V) | Non-Trip Current I_{nt} (mA) | | Trip Current @ 25°C I_t (mA) | Resistance @ 25°C (Ω) | Max Current I_{max} (A) | Switch Temp T_C (°C) | Diag No. | Dimensions (in/mm) | |
|--------------|-------------------------------------|--------------------------------|--------|--------------------------------|--------------------------------|---------------------------|------------------------|----------|--------------------|------------|
| | | @ 25°C | @ 60°C | | | | | | D max | T max |
| 02-P1R0-1 | 30 | 650mA | 600mA | 1500mA | 1.0 | 4.0 | 120°C | T-03 | .433 (11.0) | .157 (4.0) |
| 02-P4R7-1 | 125 | 400mA | 300mA | 900mA | 4.7 | 1.7 | 120°C | T-02 | .707 (18.0) | .177 (4.5) |
| 02-P220-1 | 125 | 135mA | 110mA | 340mA | 22 | 0.8 | 120°C | T-03 | .394 (10.0) | .177 (4.5) |
| 02-P121-1 | 265 | 35mA | 30mA | 85mA | 120 | 0.3 | 120°C | T-03 | .236 (6.0) | .177 (4.5) |
| 02-P331-1 | 265 | 25mA | 20mA | 75mA | 330 | 0.2 | 120°C | T-03 | .236 (6.0) | .177 (4.5) |