

Tyco/Electronics
Raychem Circuit Protection
 308 Constitution Drive
 Menlo Park, CA 94025-1164
 Phone: 800-227-4856
 Fax: 800-227-4866

PolySwitch®
PTC Devices
 Overcurrent Protection Device

PRODUCT: TR250-080U

DOCUMENT: SCD 23431
 PCN: 856313
 REV LETTER: E
 REV DATE: NOVEMBER 14, 2001
 PAGE NO.: 1 OF 1

Specification Status: RELEASED

Max Electrical Rating at 20°C

Operating Voltage: 60V_{DC}
Fault Voltage: 250V_{RMS}
Interrupt Current: 3A_{RMS}

Lead Material : 22 AWG Sn/Pb plated copper

Marking:

None

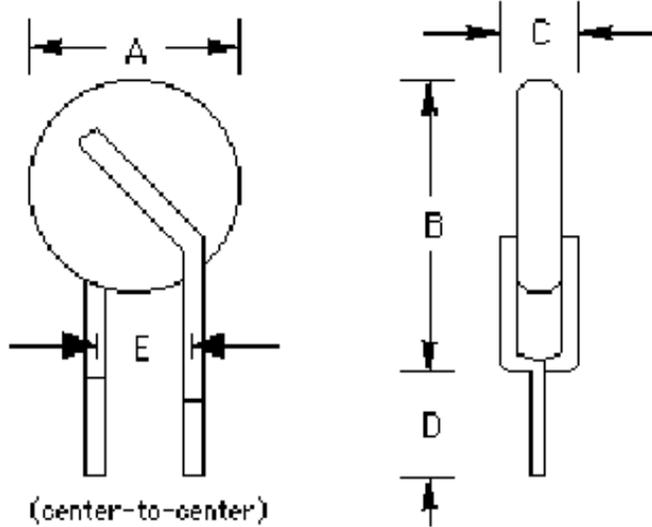


TABLE I. DIMENSIONS

| | A | | B | | C | | D | | E |
|------|-----|---------|-----|---------|-----|---------|---------|-----|---------|
| | Min | Max | Min | Max | Min | Max | Min | Max | Nom |
| mm: | -- | 4.8 | -- | 9.30 | -- | 3.8 | 4.7 | -- | 5.0 |
| in*: | -- | (0.189) | -- | (0.366) | -- | (0.150) | (0.185) | -- | (0.197) |

TABLE II. PERFORMANCE RATINGS @ 20°C (unless otherwise noted):

| IHOLD (A) | RESISTANCE (Ω) @ 20° C | | | TIME TO TRIP @ 0.35A Seconds, MAX | OPERATING TEMPERATURE (°C) | |
|-----------|---------------------------|-------|----------------------|---|-------------------------------|-----|
| | R MIN | R MAX | R _{1 MAX} * | | MIN | MAX |
| 20°C | 14.0 | 20.0 | 33.0 | 3 | -40 | 85 |

* Maximum device resistance at 20°C measured 1 hour post trip.

Additional Rating @ 20°C

Lightning Withstand: ITU @ 1.0KV Storage Temperature: -40 to 85° C

Agency Recognition: UL, CSA, TUV
 Reference Documents: PS300
 Precedence: This specification takes precedence over documents referenced herein.
 Effectivity: Reference documents shall be the issue in effect on the date of invitation for bid.
 CAUTION: Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame.