

Tyco / Electronics
Raychem Circuit Protection
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PolySwitch®
PTC Devices
 Overcurrent Protection Device

PRODUCT: RUEF500

DOCUMENT: SCD 25177
 PCN: F11479
 REV LETTER: B
 REV DATE: JUNE 24, 2004
 PAGE NO.: 1 OF 1

Specification Status: RELEASED

Maximum Electrical Rating at 20°C

30 V_{DC} / 100 A_{DC}
30 V_{AC} / 70 A_{RMS}

Insulating Material:
 Cured, Flame Retardant Epoxy Polymer
 meets UL94 V-0 Requirements

Lead Material:
 20 AWG Tin Plated Copper

Marking:

- Raychem Logo and Voltage
- XX 30
- UF500 — Part Identification
- — Lot Identification (can be on back)

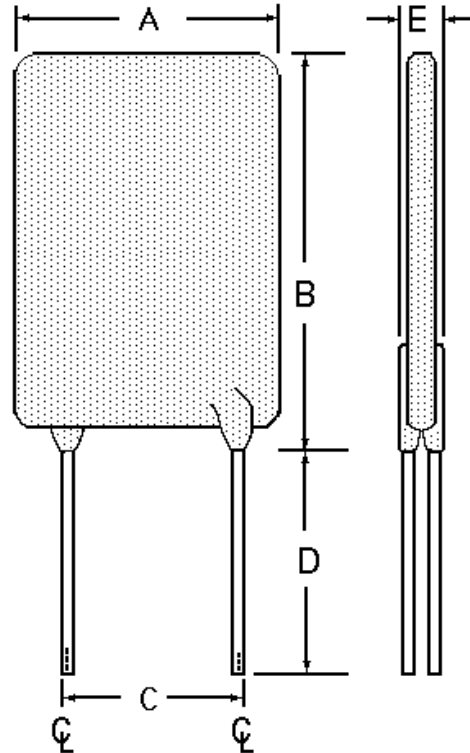


TABLE I. DIMENSIONS:

| | A | | B | | C | | D | | E | |
|------|-----|--------|-----|--------|--------|--------|--------|-----|-----|--------|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX |
| mm: | -- | 14.0 | -- | 24.1 | 9.4 | 10.9 | 7.6 | -- | -- | 3.0 |
| in*: | -- | (0.55) | -- | (0.95) | (0.37) | (0.43) | (0.30) | -- | -- | (0.12) |

*Rounded off approximation

TABLE II. PERFORMANCE RATINGS:

| I HOLD | CURRENT RATINGS | | TIME TO TRIP | RESISTANCE | | ONE-HOUR POST-TRIP RESISTANCE STANDARD TRIP | NOMINAL TRIPPED POWER DISSIPATION |
|--------|-------------------|-------------------|--------------|---------------------|---------------------|---|-----------------------------------|
| | AMPS AT 20°C HOLD | AMPS AT 20°C TRIP | | OHMS AT 20.0° C MIN | OHMS AT 20.0° C MAX | | |
| 5.00 | 5.00 | 10.00 | 14.5 | 0.01 | 0.03 | 0.05 | 3.0 |

Recognitions: 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.