

**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: RXE300**

DOCUMENT: SCD 21874  
 PCN: 733751  
 REV LETTER: I  
 REV DATE: AUGUST 23, 2001  
 PAGE NO.: 1 OF 1

**Specification Status: RELEASED**

**Electrical Rating**

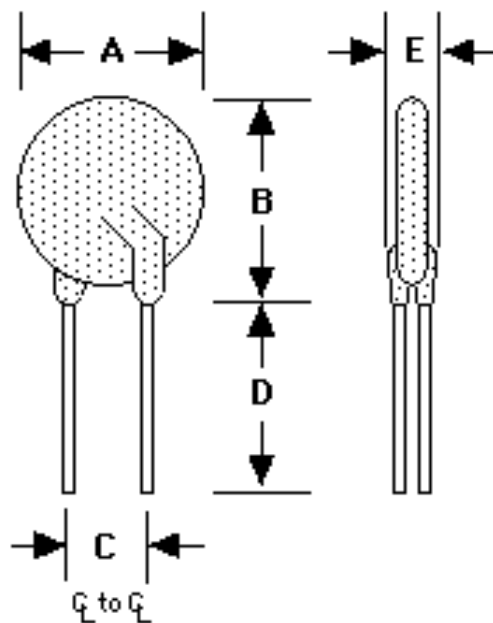
**Voltage: 72V MAX**  
**Current: 40A MAX**

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

Lead Material:  
 20 AWG Tin Lead Plated Copper

**Marking:**

- ┌── Raychem Logo and Voltage
- ⊗ 72
- X 300 ─ 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:  | --  | 23.9   | --  | 28.6   | 9.4    | 10.9   | 7.6    | --  | --  | 3.0    |
| in*: | --  | (0.94) | --  | (1.13) | (0.37) | (0.43) | (0.30) | --  | --  | (0.12) |

\*Rounded off approximation

**TABLE II. PERFORMANCE RATINGS:**

| I <sub>H</sub><br>RATED<br>CURRENT | CURRENT RATINGS   |      |                    |      |                    |      | TIME TO<br>TRIP | INITIAL<br>RESISTANCE<br>VALUES |      | ONE-HOUR<br>POST-TRIP<br>RESISTANCE<br>STANDARD<br>TRIP | TRIPPED-<br>STATE<br>POWER<br>DISSIPATION |
|------------------------------------|-------------------|------|--------------------|------|--------------------|------|-----------------|---------------------------------|------|---|---|
|                                    | AMPERES<br>AT 0°C |      | AMPERES<br>AT 20°C |      | AMPERES<br>AT 60°C |      |                 | OHMS<br>AT 20°C                 |      |   |   |
| HOLD                               | HOLD              | TRIP | HOLD               | TRIP | HOLD               | TRIP | MIN             | MAX                             | MAX  |   |   |
| 3.00                               | 3.60              | 7.20 | 3.00               | 6.00 | 1.95               | 3.90 | 19.8            | 0.04                            | 0.06 | 0.10  | 2.8                                       |

Recognitions: UL, CSA and TUV approved  
 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.