

**Tyco / Electronics**  
**Raychem Circuit Protection**  
 308 Constitution Drive  
 Menlo Park, CA 94025-1164  
 Phone: 800-227-4856  
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**PolySwitch®**  
**PTC Devices**  
 Overcurrent Protection Device

**PRODUCT: RXEF030**

DOCUMENT: SCD 25217  
 PCN: 461130  
 REV LETTER: C  
 REV DATE: APRIL 7, 2005  
 PAGE NO.: 1 OF 1

**Specification Status: Released**

**Electrical Rating**

**Voltage: 72V MAX**

**Current: 40A MAX**

**Insulating Material:**

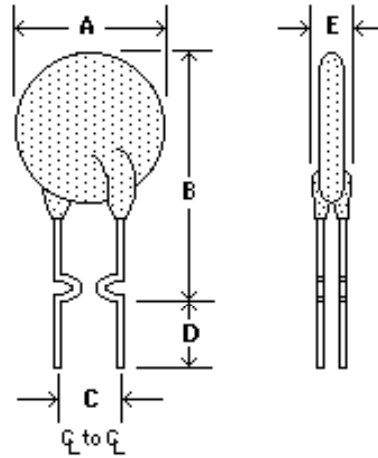
Cured, Flame Retardant Epoxy Polymer  
 meets UL94 V-0 Requirements

**Lead Material:**

24 AWG Tin Plated Copper Clad Steel

**Marking:**

- Raychem Logo and Voltage
- XX 72
- XF030 — 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:  | --  | 7.4    | --  | 12.7   | 4.3    | 5.8    | 7.6    | --  | --  | 3.0    |
| in*: | --  | (0.29) | --  | (0.50) | (0.17) | (0.23) | (0.30) | --  | --  | (0.12) |

\*Rounded off approximation

**TABLE II. PERFORMANCE RATINGS:**

| I HOLD<br>RATED<br>CURRENT | CURRENT<br>RATINGS         |                                   | INITIAL<br>RESISTANCE<br>VALUES |      | TIME TO TRIP | ONE HOUR<br>POST-TRIP<br>RESISTANCE<br>STANDARD<br>TRIP | TRIPPED-<br>STATE<br>POWER<br>DISSIPATION |
|----------------------------|----------------------------|-----------------------------------|---------------------------------|------|--------------|---|---|
|                            | AMPERES<br>AT 20°C<br>HOLD | AMPERES<br>AT 20°C<br>HOLD   TRIP | OHMS<br>AT 20°C<br>MIN   MAX    |      |              |   |   |
| 0.30                       | 0.30                       | 0.60                              | 0.88                            | 1.33 | 3.0          | 2.10  | 0.49                                      |

**Agency Recognitions:**

UL, CSA, TUV

**Reference Documents:**

Approved by UL as a current limiting impedance, per the 1996 NEC, Tables 11 (c) and 11 (b).  
 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.

**Materials Information**

ROHS Compliant

ELV Compliant

Pb-Free

Directive 2002/95/EC  
 Compliant

Directive 2000/53/EC  
 Compliant

