

**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: RXE090S**

DOCUMENT: SCD 23822  
 PCN: 537635  
 REV LETTER: D  
 REV DATE: AUGUST 21, 2001  
 PAGE NO.: 1 OF 1

**Specification Status: RELEASED**

**Electrical Rating**

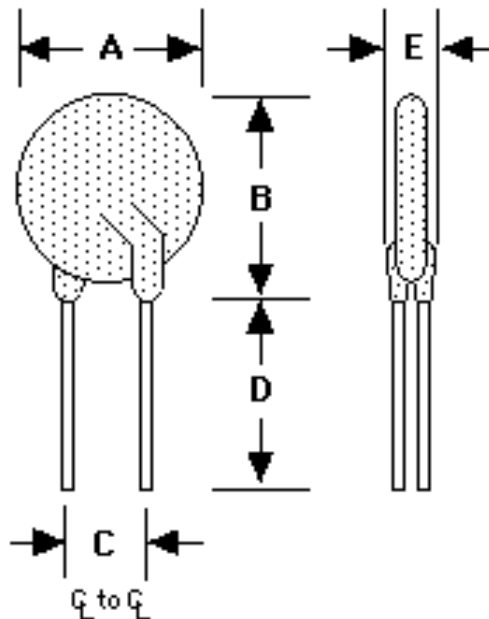
**Voltage: 72V MAX**  
**Current: 40A MAX**

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

Lead Material:  
 24 AWG Tin Lead Plated Copper

**Marking:**

- Raychem Logo and Voltage
- ⊗ 72
- X 090 — 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:	--	11.7	--	15.8	4.3	5.8	7.6	--	--	3.0
in*:	--	(0.46)	--	(0.62)	(0.17)	(0.23)	(0.30)	--	--	(0.12)

\*Rounded off approximation

**TABLE II. PERFORMANCE RATINGS:**

I <sub>H</sub> RATED CURRENT	CURRENT RATINGS						TIME TO TRIP	INITIAL RESISTANCE VALUES		ONE-HOUR POST-TRIP RESISTANCE STANDARD TRIP	TRIPPED- STATE POWER DISSIPATION
	AMPERES AT 0°C HOLD		AMPERES AT 20°C HOLD   TRIP		AMPERES AT 60°C HOLD   TRIP			SECONDS AT 20°C, 4.5A MAX			
0.90	1.08	2.16	0.90	1.80	0.58	1.16	7.2	0.20	0.31	0.47	0.99

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