

**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: RXE185K**

DOCUMENT: SCD 23560  
 PCN: 286485  
 REV LETTER: F  
 REV DATE: AUGUST 22, 2001  
 PAGE NO.: 1 OF 1

**Specification Status: RELEASED**

**Electrical Rating**

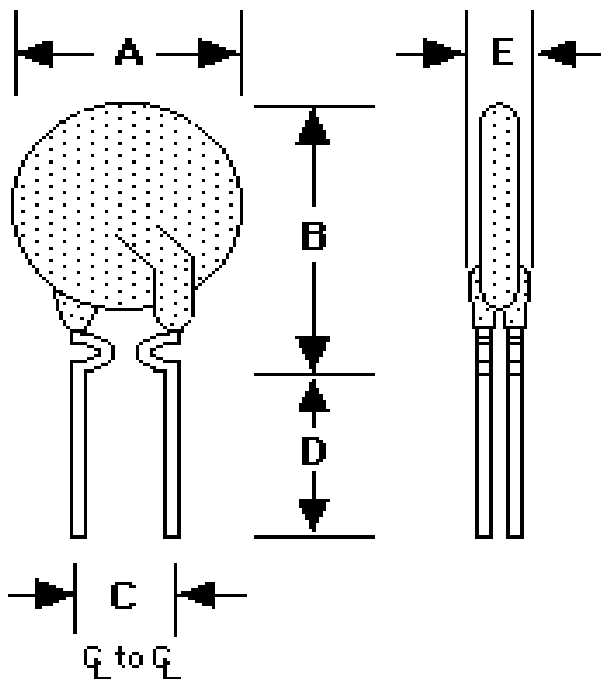
**Voltage: 72V MAX**  
**Current: 40A MAX**

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 185 ─ 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
--	16.76	--	23.0	4.3	5.8	7.6	--	--	3.0
--	(0.660)	--	(0.91)	(0.17)	(0.23)	(0.30)	--	--	(0.12)

mm:  
in\*:

\*Rounded off approximation

**TABLE II. PERFORMANCE RATINGS:**

I HOLD 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		AMPERES AT 20°C		AMPERES AT 60°C		OHMS AT 20°C		WATTS AT 20°C NOMINAL			
20°C HOLD	AMPERES HOLD	AMPERES TRIP	AMPERES HOLD	AMPERES TRIP	AMPERES HOLD	AMPERES TRIP	SECONDS AT 20°C, 9.25A MAX	OHMS MIN		OHMS MAX	OHMS AT 20°C MAX	
1.85	2.22	4.44	1.85	3.70	1.20	2.40	12.6	0.08	0.12	0.19	2.1	

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.