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**C O M P O N E N T S**

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**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: RXE185**

DOCUMENT: SCD 21872  
 PCN: 385417  
 REV LETTER: H  
 REV DATE: AUGUST 22, 2001  
 PAGE NO.: 1 OF 1

**Specification Status: RELEASED**

**Electrical Rating**

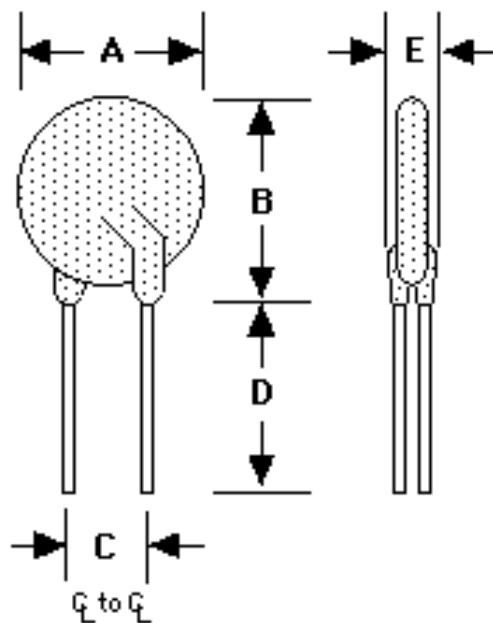
**Voltage: 72V MAX**  
**Current: 40A MAX**

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
mm:	--	17.5	--	22.4	4.3	5.8	7.6	--	--	3.0
in*:	--	(0.69)	--	(0.88)	(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		AMPERES AT 20°C		AMPERES AT 60°C			OHMS AT 20°C			
AMPERES 20°C HOLD	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	SECONDS AT 20°C, 9.25A MAX	MIN	MAX	OHMS AT 20°C MAX	WATTS AT 20°C NOMINAL
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.

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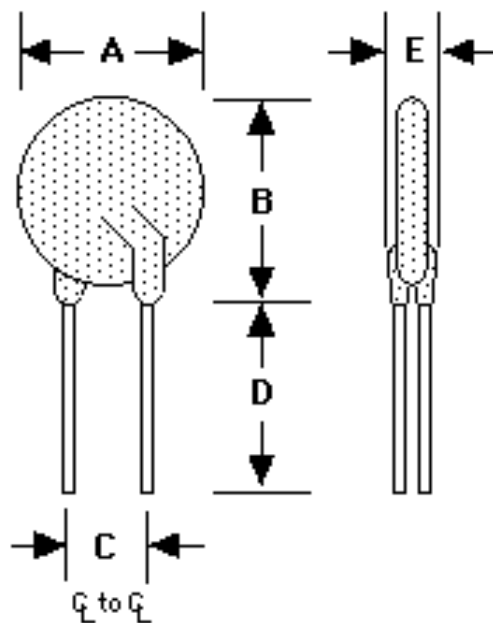
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AMPERES 20°C HOLD	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	SECONDS AT 20°C, 9.25A MAX	MIN	MAX	OHMS AT 20°C MAX	WATTS AT 20°C NOMINAL
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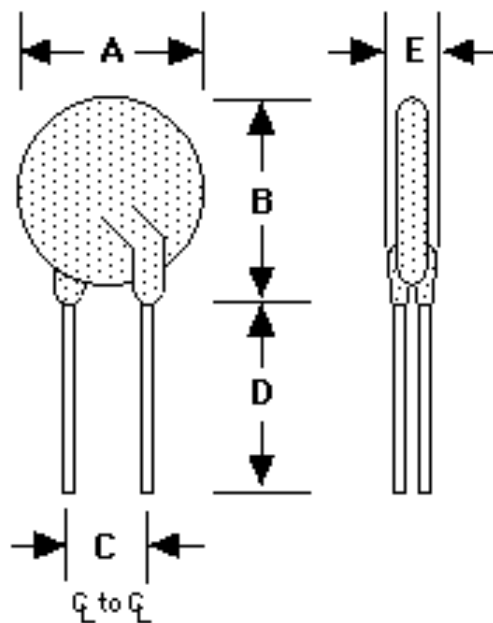
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	AMPERES 20°C HOLD	AMPERES AT 0°C HOLD	AMPERES AT 20°C TRIP	AMPERES AT 60°C HOLD	AMPERES AT 60°C TRIP	AMPERES AT 60°C TRIP		SECONDS AT 20°C, 9.25A MAX	OHMS AT 20°C MIN		
1.85	2.22	4.44	1.85	3.70	1.20	2.40	12.6	0.08	0.12	0.19	2.1

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