

**Tyco/Electronics**  
**Raychem Circuit Protection**  
 308 Constitution Drive  
 Menlo Park, CA 94025  
 800-227-4856  
 FAX 800-227-4866

**PolySwitch®**  
**PTC Devices**  
 Overcurrent Protection Device

**PRODUCT: RTE120**

DOCUMENT: SCD 24306  
 PCN: 437425  
 REV LETTER: C  
 REV DATE: MAY 2, 2002  
 PAGE NO.: 1 OF 1

**Specification Status: RELEASED**

**Electrical Rating**

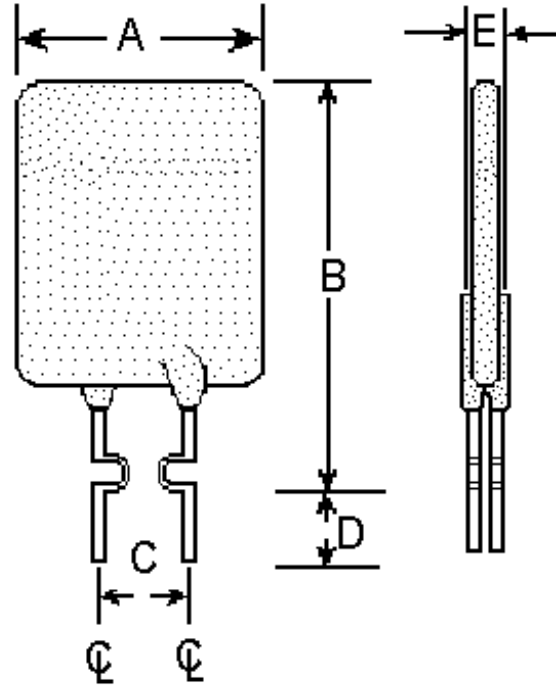
**Voltage: 33V MAX**  
**Current: 40A MAX**

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

Lead Material:  
 24 AWG Tin/Lead Plated Copper Clad Steel

**Marking:**

- ⊗ 33 — Raychem Logo and Voltage
- T120 — Part Identification
- □ □ □ — Lot Identification (can be on back)



**TABLE I. DIMENSIONS:**

	A		B		C		D		E		F
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	TYP
mm:	--	7.4	--	12.2	4.3	5.8	7.6	--	--	3.0	--
in*:	--	(0.29)	--	(0.48)	(0.17)	(0.23)	(0.30)	--	--	(0.12)	--

\*Rounded off approximation

**TABLE II. PERFORMANCE RATINGS:**

I HOLD*	RATINGS		TIME TO TRIP*	RESISTANCE		ONE-HOUR POST-TRIP RESISTANCE STANDARD TRIP	NOMINAL TRIPPED POWER DISSIPATION*
	AMPS AT 20°C HOLD	AMPS AT 20°C TRIP		OHMS AT 20°C MIN	OHMS AT 20°C MAX		
1.2	1.2	2.3	3.5	0.074	0.120	0.180	0.78

\* Values specified were determined using PCB's w/ 0.050 x 1oz Cu traces

Recognitions: UL, CSA, TUV recognized.  
 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.