

**Raychem Corporation**

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R

**PolySwitch®**  
**PTC Devices**  
 Resettable Fuse

**PRODUCT: RTE190**

DOCUMENT: SCD 24309  
 PCN: 605133  
 REV LETTER: B  
 REV DATE: MARCH 26, 1999  
 PAGE NO.: 1 OF 1

**Specification Status: RELEASED**

**Electrical Rating**

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

**Insulating Material:**

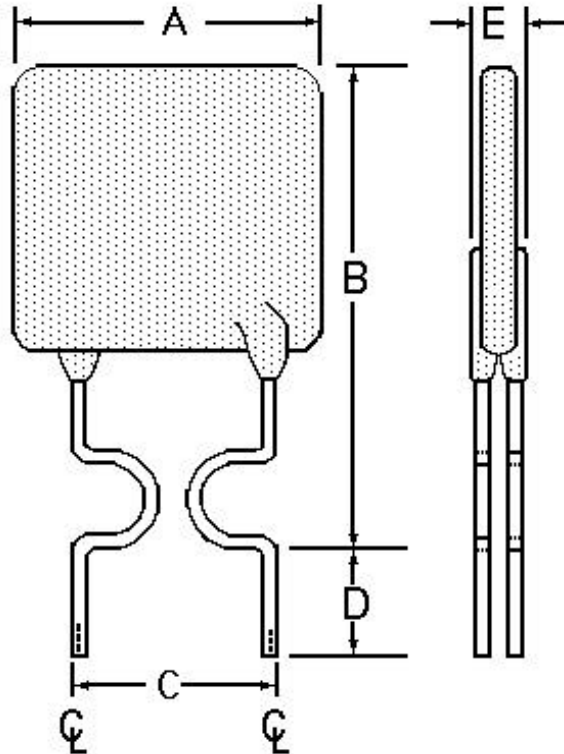
Cured, Flame Retarded Epoxy Polymer  
 meets UL94 V-0 Requirements

**Lead Material:**

24 AWG Tin/Lead Plated Copper Clad Steel

**Marking:**

- ⓧ 33 — Raychem Logo and Voltage
- T190 — 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:	--	8.9	--	13.5	4.3	5.8	7.6	--	--	3.0	--
in*:	--	(0.35)	--	(0.53)	(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	SECONDS AT 20°C		
1.90	1.90	3.0	3.5	MIN 0.045	MAX 0.063	0.092	0.90

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

Recognitions:

UL/CSA/TUV pending

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.