

**Raychem Circuit Protection**

308 Constitution Drive  
Menlo Park, CA 94025-1164  
800-227-4856  
FAX 800-227-4866

**Raychem**

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

**PRODUCT: RGE1000**

DOCUMENT: SCD24093  
PCN: 470961  
REV LETTER: E  
REV DATE: MARCH 8, 2000  
PAGE NO.: 1 OF 1

**Specification Status: PRELIMINARY**

**Electrical Rating**

**Voltage: 16V MAX**  
**Current: 100A MAX**

**Insulating Material:**

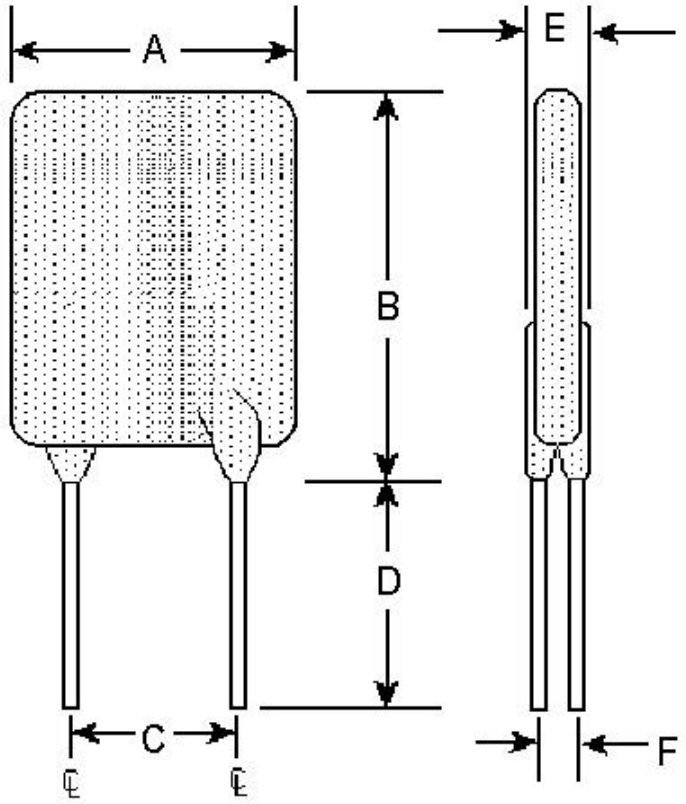
Cured, Flame Retarded Epoxy Polymer  
meets UL94 V-0 Requirements

**Lead Material:**

20 AWG Tin/Lead Plated Copper

**Marking:**

- Raychem Logo and Voltage
- XX 16 — Part Identification
- G1 0 0 0 — Lot Identification (can be on back)
- □ □ □ — 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:	15.5	16.5	21.1	25.2	4.3	5.8	7.6	--	2.0	3.0	1.2
in*:	(0.61)	(0.65)	(0.83)	(0.99)	(0.17)	(0.23)	(0.30)	--	(0.08)	(0.12)	(0.05)

\*Rounded off approximation

**TABLE II. PERFORMANCE RATINGS:**

I HOLD RATED CURRENT	CURRENT TRIP LIMITS		TIME TO TRIP	RESISTANCE VALUES		TRIPPED-STATE POWER DISSIPATION
	AMPS 25°C HOLD	AMPS AT 25°C HOLD   TRIP	SECONDS AT 25°C, 50.0 A MAX	OHMS AT 25°C MIN	OHMS AT 25°C MAX	WATTS AT 25°C, 16V TYP
10.0	10.0	17.0	6.0	0.004	0.0102	3.6

Recognitions: CSA/ TUV/ UL 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.