

**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: RGE900**

DOCUMENT: SCD 23379  
 PCN: 572593  
 REV LETTER: K  
 REV DATE: JUNE 28, 2005  
 PAGE NO.: 1 OF 1

**Specification Status: Released**

**Electrical Rating**

**Voltage: 16V MAX**

**Current: 100A MAX**

**Insulating Material:**

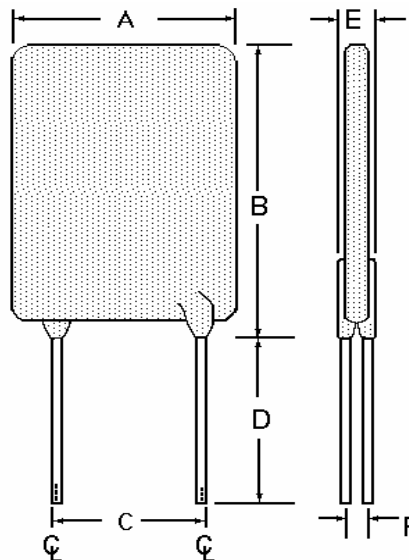
Cured, Flame Retardant Epoxy Polymer  
 meets UL94 V-0 Requirements

**Lead Material:**

20 AWG Tin/Lead Plated Copper  
 (0.81mm [0.032] nom. diameter)

**Marking:**

Raychem Logo  
 and Voltage  
 X 16  
 G900 — 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:  | 13.0   | 14.0   | 16.8   | 21.7   | 4.3    | 5.8    | 7.6    | -   | 2.0    | 3.0    | 1.2    |
| in*: | (0.51) | (0.55) | (0.66) | (0.85) | (0.17) | (0.23) | (0.30) | -   | (0.08) | (0.12) | (0.05) |

\*Rounded off approximation

**TABLE II. PERFORMANCE RATINGS:**

| I HOLD<br>RATED<br>CURRENT | CURRENT<br>RATINGS      |                         | INITIAL<br>RESISTANCE<br>VALUES |                        | TIME TO TRIP                      | R <sub>1</sub> MAX<br>1 HR. POST<br>TRIP<br>RESISTANCE<br>STANDARD<br>TRIP | TRIPPED-<br>STATE<br>POWER<br>DISSIPATION |
|----------------------------|-------------------------|-------------------------|---------------------------------|------------------------|-----------------------------------|----------------------------------------------------------------------------|-------------------------------------------|
| AMPS<br>AT 25°C<br>HOLD    | AMPS<br>AT 25°C<br>HOLD | AMPS<br>AT 25°C<br>TRIP | OHMS<br>AT 25°C<br>MIN          | OHMS<br>AT 25°C<br>MAX | SECONDS AT<br>25°C, 45.0 A<br>MAX | OHMS<br>AT 25°C<br>MAX                                                     | WATTS<br>AT 25°C<br>TYP                   |
| 9.0                        | 9.0                     | 15.3                    | 0.0047                          | 0.0091                 | 5.5                               | 0.0135                                                                     | 3.3                                       |

Agency Recognitions:  
 Reference Documents:  
 Precedence:  
 Effectivity:  
 CAUTION:

UL, CSA, TUV.  
 PS300

This specification takes precedence over documents referenced herein.

Reference documents shall be the issue in effect on the date of invitation for bid.

Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame.