

# Tyco/Electronics

## Raychem Circuit Protection

308 Constitution Drive  
Menlo Park, CA 94025-1164  
800-227-4856  
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## PolySwitch®

### PTC Devices

Overcurrent Protection Device

PRODUCT: RHE070

DOCUMENT: SCD 24586

PCN: 112938

REV LETTER: E

REV DATE: OCTOBER 8, 2001

PAGE NO.: 1 OF 1

## Specification Status: RELEASED

### Electrical Rating

Voltage: 16V<sub>DC</sub> 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

#### PART MARKING:

Raychem Logo  
and Voltage  
X 16  
H0.7 — Part Identification  
□ □ □ □ — Lot Identification  
(can be on back)

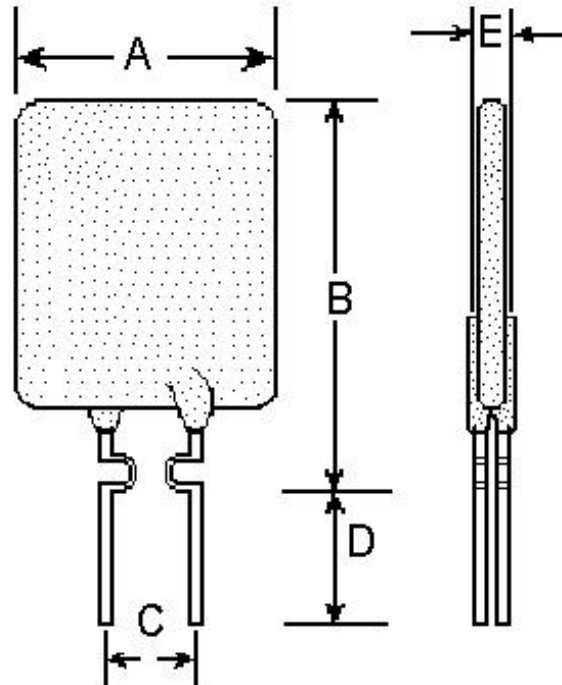


TABLE I. DIMENSIONS:

|      | A   |         | B   |         | C       |         | D       |     | E   |         | F      |
|------|-----|---------|-----|---------|---------|---------|---------|-----|-----|---------|--------|
|      | MIN | MAX     | MIN | MAX     | MIN     | MAX     | MIN     | MAX | MIN | MAX     | TYP    |
| mm:  | --  | 6.86    | --  | 10.80   | 4.31    | 5.84    | 7.62    | --  | --  | 3.04    | 1.27   |
| in*: | --  | (0.270) | --  | (0.425) | (0.170) | (0.230) | (0.300) | --  | --  | (0.120) | (0.05) |

\*Rounded off approximation

TABLE II. PERFORMANCE RATINGS:

| I HOLD         | CURRENT RATINGS   |                   | TIME TO TRIP               | RESISTANCE       |                  | TRIPPED-STATE POWER DISSIPATION |
|----------------|-------------------|-------------------|----------------------------|------------------|------------------|---------------------------------|
| AMPS 25°C HOLD | AMPS AT 25°C HOLD | AMPS AT 25°C TRIP | SECONDS AT 25°C, 3.5 A MAX | OHMS AT 25°C MIN | OHMS AT 25°C MAX | WATTS AT 25°C, 16V TYP          |
| 0.70           | 0.70              | 1.40              | 4.0                        | 0.3              | 0.8              | 1.4                             |

Recognitions:

Reference Documents:

Precedence:

Effectivity:

CAUTION:

UL , TUV, CSA recognized.

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.