

<p><b>Tyco/Electronics</b>                  Raychem Circuit Protection                  308 Constitution Drive                  Menlo Park, CA 94025-1164                  800-227-4856                  FAX 800-227-4866</p>	<p><b>PolySwitch®</b>  <b>PTC Devices</b>                  Overcurrent Protection Device</p>	<p><b>PRODUCT: RHE1500</b>                  DOCUMENT: SCD 24886                  PCN: 774393                  REV LETTER: A                  REV DATE: SEPTEMBER 25, 2001                  PAGE NO.: 1 OF 1</p>
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**Specification Status: RELEASED**

**Electrical Rating**  
 Voltage: 16V<sub>DC</sub> MAX  
 Current: 100A MAX

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

LEAD MATERIAL:  
 18 AWG Tin/Lead Plated Copper

PART MARKING:  
 Raychem Logo and Voltage  
 X X 16  
 H15 — 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:	—	23.5	—	28.7	9.4	10.9	7.6	—	—	3.6	1.4
in*:	—	(0.925)	—	(1.13)	(0.37)	(0.43)	(0.30)	—	—	(0.14)	(0.06)

\*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 0°C HOLD   TRIP	AMPS AT 25°C HOLD   TRIP	AMPS AT 60°C HOLD   TRIP		SECONDS AT 25°C, 75A MAX	OHMS AT 25°C MIN   MAX		WATTS AT 25°C, 16V TYP
15.0	—	—	15.0	28.0	—	—	20.0	0.0032   0.0092	7.0

  

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.

