

Tyco / Electronics
Raychem Circuit Protection
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PolySwitch®
PTC Devices
 Overcurrent Protection Device

PRODUCT: RUE500

DOCUMENT: SCD 22056
 PCN: 268761
 REV LETTER: L
 REV DATE: JUNE 23, 2004
 PAGE NO.: 1 OF 1

Specification Status: RELEASED

Maximum Electrical Rating at 20°C

30 V_{DC} /100 A_{DC}
30 V_{AC} /70 A_{RMS}

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

Lead Material:
 20 AWG Tin/Lead Plated Copper

Marking:

Raychem Logo
 and Voltage
 XX 30
 U500 — Part Identification
 □□□□ — Lot Identification
 (can be on back)

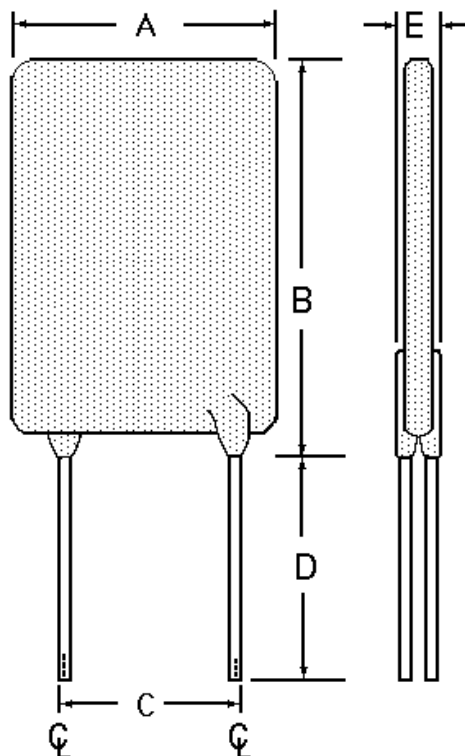


TABLE I. DIMENSIONS:

	A		B		C		D		E	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	--	14.0	--	24.1	9.4	10.9	7.6	--	--	3.0
in*:	--	(0.55)	--	(0.95)	(0.37)	(0.43)	(0.30)	--	--	(0.12)

*Rounded off approximation

TABLE II. PERFORMANCE RATINGS:

I HOLD	CURRENT RATINGS		TIME TO TRIP	RESISTANCE		ONE-HOUR POST-TRIP RESISTANCE STANDARD TRIP	NOMINAL TRIPPED POWER DISSIPATION
AMPS 20°C HOLD	AMPS AT 20°C HOLD	AMPS AT 20°C TRIP	SECONDS AT 20°C, 25.0A MAX	OHMS AT 20.0° C MIN	OHMS AT 20.0° C MAX	OHMS AT 20°C MAX	WATTS AT 20°C
5.00	5.00	10.00	14.5	0.01	0.03	0.05	3.0

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.