

Tyco/Electronics

Raychem Circuit Protection

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Menlo Park, CA 94025-1164
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PolySwitch®

PTC Devices

Overcurrent Protection Device

PRODUCT: RHE450

DOCUMENT: SCD 24124

PCN: 067709

REV LETTER: D

REV DATE: OCTOBER 8, 2001

PAGE NO.: 1 OF 1

Specification Status: RELEASED

Electrical Rating

Voltage: 16V_{DC} MAX

Current: 100A MAX

INSULATING MATERIAL:

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

LEAD MATERIAL:

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

PART MARKING:

Raychem Logo
and Voltage
X 16
H4.5 — Part Identification
□□□□ — Lot Identification
(can be on back)

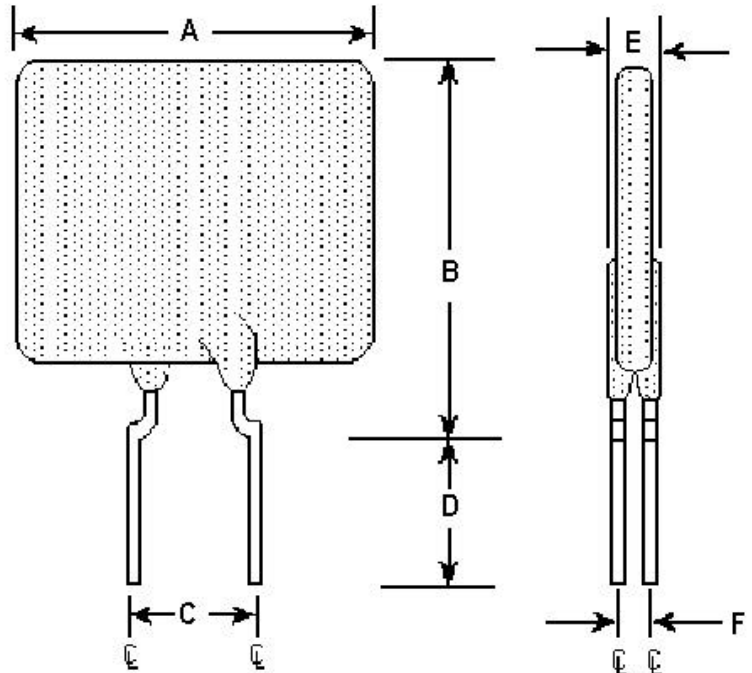


TABLE I. DIMENSIONS:

	A		B		C		D		E		F
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	TYP
mm:	--	10.4	--	15.6	4.3	5.8	7.6	--	--	3.0	1.2
in*:	--	(0.41)	--	(0.61)	(0.17)	(0.23)	(0.30)	--	--	(0.12)	(0.05)

*Rounded off approximation

TABLE II. PERFORMANCE RATINGS:

I HOLD	CURRENT TRIP LIMITS						TIME TO TRIP	RESISTANCE		TRIPPED-STATE POWER DISSIPATION
AMPS 25°C HOLD	AMPS AT 0°C		AMPS AT 25°C		AMPS AT 60°C		SECONDS AT 25°C, 22.5 A MAX	OHMS AT 25°C		WATTS AT 25°C, 16V TYP
	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP		MIN	MAX	
4.5	--	--	4.5	7.8	--	--	3.0	0.022	0.054	3.6

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.