

Tyco/Electronics**Raychem Circuit Protection**

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PolySwitch®
PTC Devices
Overcurrent Protection Device

PRODUCT: RXE090

DOCUMENT: SCD 21861
PCN: 500559
REV LETTER: H
REV DATE: FEBRUARY 7, 2002
PAGE NO.: 1 OF 1

Specification Status: RELEASED**Electrical Rating****Voltage: 72V MAX****Current: 40A MAX****Insulating Material:**

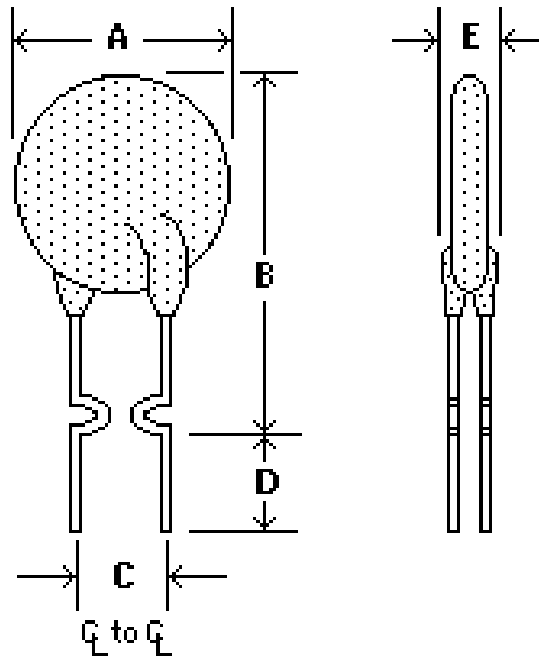
Cured, Flame Retarded Epoxy Polymer
meets UL94 V-0 Requirements

Lead Material:

24 AWG Tin Lead Plated Copper

Marking:

Raychem Logo
and Voltage
X 72
X 090 — 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:	--	11.2	--	15.8	4.3	5.8	7.6	--	--	3.0
in*:	--	(0.44)	--	(0.62)	(0.17)	(0.23)	(0.30)	--	--	(0.12)

*Rounded off approximation

TABLE II. PERFORMANCE RATINGS:

I _H RATED CURRENT	CURRENT RATINGS						TIME TO TRIP	INITIAL RESISTANCE VALUES		ONE-HOUR POST-TRIP RESISTANCE STANDARD TRIP	TRIPPED- STATE POWER DISSIPATION
	AMPERES AT 0°C HOLD		AMPERES AT 20°C HOLD		AMPERES AT 60°C HOLD			OHMS AT 20°C MIN			
AMPERES 20°C HOLD	AT 0°C HOLD	TRIP	AT 20°C HOLD	TRIP	AT 60°C HOLD	TRIP	SECONDS AT 20°C, 4.5A MAX	OHMS AT 20°C MIN	MAX	OHMS AT 20°C MAX	WATTS AT 20°C NOMINAL
.90	1.08	2.16	.90	1.80	.58	1.16	7.2	.20	.31	.47	.99

Recognitions:

UL, CSA and TUV approved.

Reference Documents:

Approved by UL as a current limiting impedance, per the 1996 NEC, Tables 11 (c) and 11 (b).
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.