

Tyco/Electronics**Raychem Circuit Protection**

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PolySwitch® **PTC Devices**

Overcurrent Protection Device

PRODUCT: RXE030S

DOCUMENT: SCD 23540
PCN: 182023
REV LETTER: E
REV DATE: AUGUST 20, 2001
PAGE NO.: 1 OF 1

Specification Status: RELEASED

Electrical Rating

Voltage: 72V MAX

Current: 40A MAX

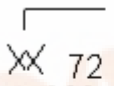
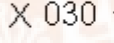
Insulating Material:

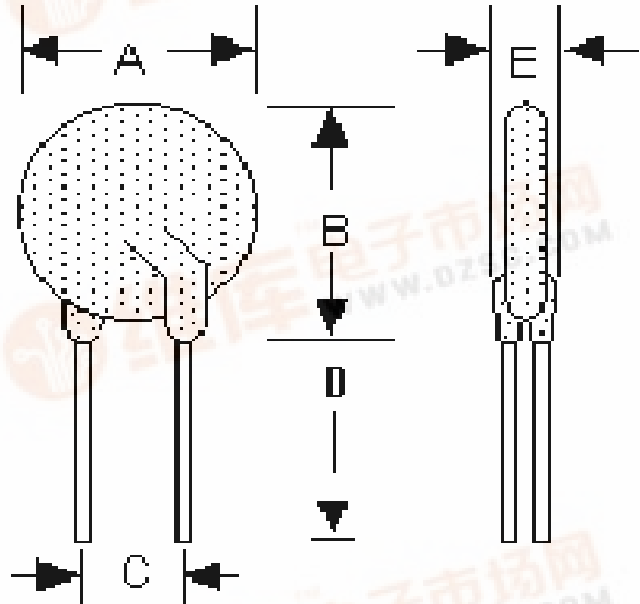
Cured, Flame Retarded Epoxy Polymer
meets UL94 V-0 Requirements

Lead Material:

24 AWG Tin Lead Plated Copper Clad Steel

Marking:

 Raychem Logo and Voltage
 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:	--	7.4	--	10.0	4.3	5.8	7.6	--	--	3.0
in*:	--	(0.29)	--	(0.39)	(0.17)	(0.23)	(0.3)	--	--	(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	NOMINAL TRIPPED- STATE POWER DISSIPATION
	AMPERES AT 0°C HOLD TRIP		AMPERES AT 20°C HOLD TRIP		AMPERES AT 60°C HOLD TRIP			OHMS AT 20°C MIN MAX			
AMPERES 20°C HOLD	AMPERES AT 0°C HOLD	AMPERES AT 0°C TRIP	AMPERES AT 20°C HOLD	AMPERES AT 20°C TRIP	AMPERES AT 60°C HOLD	AMPERES AT 60°C TRIP	SECONDS AT 20°C, 1.5A MAX	OHMS AT 20°C MIN	OHMS AT 20°C MAX	OHMS AT 20°C MAX	WATTS AT 20°C NOMINAL
.30	.36	.72	.30	.60	.20	.40	3.0	.88	1.33	2.10	.49

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.

