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# PolySwitch® PTC Devices

**Overcurrent Protection Device** 

Raychem Circuit Protection Products

PRODUCT: RXEF050

DOCUMENT: SCD 25219

PCN: A51391 REV LETTER: F

REV DATE: AUGUST 16, 2007

PAGE NO.: 1 OF 1

### **Specification Status: Released**

Electrical Rating
Voltage: 72V MAX
Current: 40A MAX

Insulating Material:

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

Lead Material:

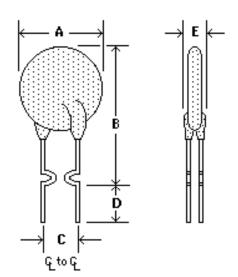
24 AWG Tin Plated Copper

Marking:

Manufacturer's Ma and Voltage

XF050 — Part Identification

Lot Identification (can be on back)



#### **TABLE I. DIMENSIONS:**

	Α		В		С		D		E	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:		7.9		13.7	4.3	5.8	7.6			3.0
in*:		(0.31)		(0.54)	(0.17)	(0.23)	(0.30)	-		(0.12)

<sup>\*</sup>Rounded off approximation

#### **TABLE II. PERFORMANCE RATINGS:**

I HOLD RATED CURRENT		RENT INGS	RESIS	TIAL STANCE LUES	TIME TO TRIP	ONE HOUR POST-TRIP RESISTANCE STANDARD	TRIPPED- STATE POWER DISSIPATION				
						TRIP					
AMPERES	AMPERES		OHMS		SECONDS AT	OHMS	WATTS				
AT 20°C	AT 20°C		AT 20°C		20°C, 2.5A	AT 20°C	AT 20°C				
HOLD	HOLD	TRIP	MIN	MAX	MAX	MAX	NOMINAL				
0.50	0.50	1.00	0.50	0.77	4.0	1.17	0.77				

Agency Recognitions: UL, CSA and TUV

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

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.

**Materials Information** 

ROHS Compliant ELV Compliant Pb-Free

Directive 2002/95/EC Compliant Directive 2000/53/EC Compliant



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