### Tyco / Electronics Raychem Circuit Protection

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# PolySwitch® PTC Devices

**Overcurrent Protection Device** 

PRODUCT: RHEF050

DOCUMENT: SCD 25583 PCN: E26286

REV LETTER: B REV DATE: OCTOBER 5, 2004

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## **Specification Status: RELEASED**

Voltage: 30V MAX
Current: 40A MAX

Insulating Material:

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

Lead Material:

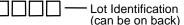
24 AWG Tin Plated Copper Clad Steel

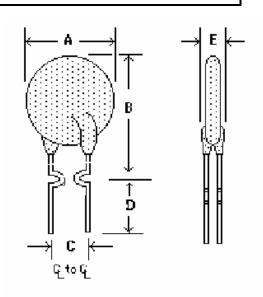
Part Marking:

Ravchem Logo and Voltage

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HF0.5 — Part Identification





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

	Α		В		С		D		Е	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:		7.4		12.7	4.3	5.8	7.6			3.0
in*:		(0.29)		(0.50)	(0.17)	(0.23)	(0.30)	-		(0.12)

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

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

I HOLD	CURRENT		TIME TO	INITIAL		ONE-HOUR	NOMINAL
RATED	ATED RATINGS		TRIP	RESIS	TANCE	POST-TRIP	TRIPPED
CURRENT	CURRENT			VALUES		RESISTANCE	POWER
						STANDARD	DISSIPATION
						TRIP	
AMPS	AMPS AT		SECONDS AT	OHMS		OHMS	WATTS AT
AT 25°C	25°C 25°C		25°C, 2.5A	AT 25°C		AT 25°C	25°C 30V
HOLD	HOLD	TRIP	MAX	MIN	MAX	MAX	
0.50	0.50	0.92	2.5	0.48	0.78	1.1	0.9

Agency Recognitions: UL, CSA, TUV

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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