

## PolySwitch® PTC Devices

**Overcurrent Protection Device** 

PRODUCT: RHEF600

DOCUMENT: SCD25206

**REV LETTER: F** 

REV DATE: JULY 26, 2016

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### **Specification Status: Released**

**Electrical Rating** 

Voltage: 16V MAX Current: 100A MAX

Insulating Material:

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

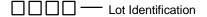
Lead Material:

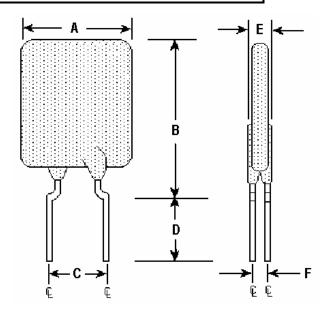
20 AWG Tin Plated Copper (0.8 mm [0.032] nom. diameter)

Marking:

- Manufacturer's Mark

H6 and Part Identification





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

	Α		В		С		D		Е		F
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	TYP
mm:	-	11.2	1	21.0	4.3	5.8	7.6	-	-	3.0	1.2
in*:		(0.44)	-	(0.83)	(0.17)	(0.23)	(0.30)			(0.12)	(0.05)

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

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

I HOLD	I HOLD CURRENT		TIME TO	INITIAL		ONE-HOUR	NOMINAL
RATED	RATED RATINGS		TRIP	RESISTANCE		POST-TRIP	TRIPPED POWER
CURRENT	CURRENT			VALUES		RESISTANCE	DISSIPATION
						STANDARD TRIP	
AMPS	AMPS AMPS AT		SECONDS AT	OHMS		OHMS	WATTS AT
AT 25°C	25°C		25°C, 30A	AT 25°C		AT 25°C	25°C 16V
HOLD	HOLD	TRIP	MAX	MIN	MAX	MAX	TYP
6.0	6.0	10.8	5.0	0.013	0.0215	0.032	4.1

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 C

ELV Compliant

Pb-Free

Halogen Free\*

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





<sup>\*</sup> Halogen Free refers to: Br≤900ppm, Cl≤900ppm, Br+Cl≤1500ppm



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