

# PolySwitch® PTC Devices

**Overcurrent Protection Device** 

PRODUCT: RHEF800

DOCUMENT: SCD26363

**REV LETTER: E** 

**REV DATE: JULY 26, 2016** 

PAGE NO.: 1 OF 2

# **Specification Status: Released**

## **Electrical Rating**

Voltage: 16V<sub>DC</sub> MAX Current: 100A MAX

Insulating Material:

Cured, Flame Retardant Epoxy Polymer

meets UL94 V-0 Requirements

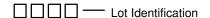
Lead Material:

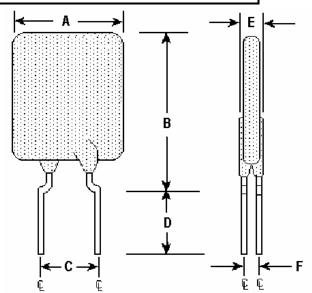
20 AWG Tin Plated Copper (0.8 mm [0.032] nom. diameter)

Marking:

Manufacturer's Mark

H8 and Part Identification





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

	Α		В		С		D		E		F
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	TYP
m											
m:		16.5		22.5	4.3	5.8	7.6			3	1.2
in*:		(0.65)		(88.0)	(0.17)	(0.23)	(0.3)			(0.12)	(0.05)

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

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

I HOLD	I HOLD CURRENT		TIME TO	INITIAL RESISTANCE		ONE-HOUR	NOMINAL TRIPPED
RATED	RATED RATINGS		TRIP	VALUES		POST-TRIP	POWER
CURRENT						RESISTANCE	DISSIPATION
						STANDARD TRIP	
AMPS	MPS AMPS AT		SECONDS AT	OHMS		OHMS	WATTS AT
AT 25°C	25°C		25°C, 40A	AT 25°C		AT 25°C	25°C 16V
HOLD	HOLD	TRIP	MAX	MIN	MAX	MAX	TYP
8.0	8.0	15.0	8.0	0.008	0.0135	0.020	4.2

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

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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