

## PolySwitch® PTC Devices

**Overcurrent Protection Device** 

PRODUCT: RHEF750

DOCUMENT: SCD25208

**REV LETTER: E** 

**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

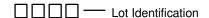
Lead Material:

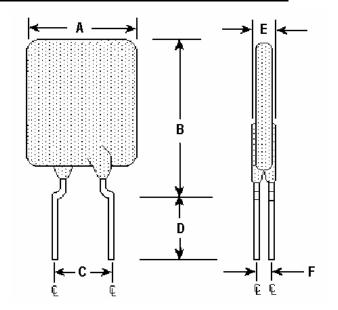
20 AWG Tin Plated Copper (0.8 mm [0.032] nom. diameter)

Marking:

Manufacturer's Mark

X H7.5 and Part Identification





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

	Α		В		С		D		E		F
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	TYP
mm:		14.0		23.5	4.3	5.8	7.6			3.0	1.2
in*:		(0.55)		(0.93)	(0.17)	(0.23)	(0.30)			(0.12)	(0.05)

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

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

I HOLD	CURRENT		TIME TO	INITIAL		ONE-HOUR	NOMINAL	
RATED	RATINGS		TRIP	RESIS	TANCE	POST-TRIP	TRIPPED POWER	
CURRENT	ļ			VALUES		RESISTANCE	DISSIPATION	
						STANDARD TRIP		
AMPS	AMPS AT		SECONDS AT	OHMS		OHMS	WATTS AT	
AT 25°C	25°C		25°C, 37.5A	AT 25°C		AT 25°C AT 25°C		
HOLD	HOLD	TRIP	MAX	MIN	MAX	MAX	TYP	
7.5	7.5	13.1	7.0	0.0094	0.0153	0.022	4.5	

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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