

# PolySwitch® PTC Devices Overcurrent Protection Device

PRODUCT: RHEF750

DOCUMENT: SCD25208  
REV LETTER: E  
REV DATE: MARCH 07, 2013  
PAGE NO.: 1 OF 1

## 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  
XX H7.5 and Part Identification

Lot Identification

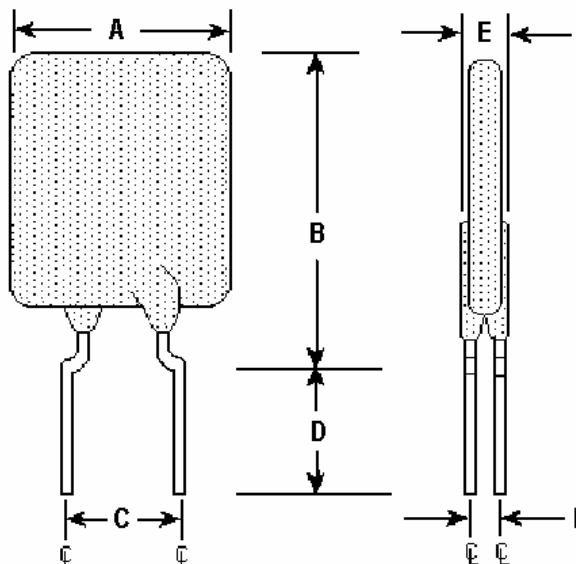


TABLE I. DIMENSIONS:

	A		B		C		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)

\*Rounded off approximation

TABLE II. PERFORMANCE RATINGS:

I HOLD RATED CURRENT	CURRENT RATINGS		TIME TO TRIP	INITIAL RESISTANCE VALUES		ONE-HOUR POST-TRIP RESISTANCE STANDARD TRIP	NOMINAL TRIPPED POWER DISSIPATION
AMPS AT 25°C HOLD	AMPS AT 25°C HOLD	AMPS AT 25°C TRIP	SECONDS AT 25°C, 37.5A MAX	OHMS AT 25°C MIN	OHMS AT 25°C MAX	OHMS AT 25°C MAX	WATTS AT 25°C 16V TYP
7.5	7.5	13.1	7.0	0.0094	0.0153	0.022	4.5

Agency Recognitions:  
Reference Documents:  
Precedence:  
Effectivity:  
CAUTION:

UL, CSA, TUV  
PS300

This specification takes precedence over documents referenced herein.  
Reference documents shall be the issue in effect on the date of invitation for bid.  
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



\* Halogen Free refers to: Br≤900ppm, Cl≤900ppm, Br+Cl≤1500ppm.

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