

## PolySwitch® PTC Devices

**Overcurrent Protection Device** 

PRODUCT: RHEF650

DOCUMENT: SCD25207

**REV LETTER: E** 

**REV DATE: JULY 26, 2016** 

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### **Specification Status: Released**

Voltage: 16V MAX
Current: 100A MAX

Insulating Material:

Cured, Flame Retardant Epoxy

Polymer

meets UL94 V-0 Requirements

Lead Material:

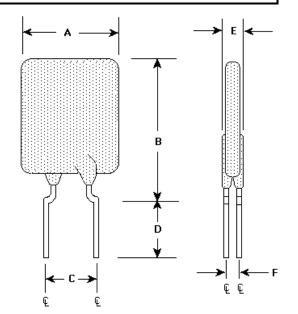
20 AWG Tin Plated Copper (0.8 mm [0.032] nom. diameter)

Marking:

Manufacturer's Mark

MH6.5 and Part Identification





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

	Α		В		С		D		Е		F
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	TYP
mm:		12.7		22.2	4.3	5.8	7.6			3.0	1.2
in*:		(0.50)		(0.88)	(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	RESISTANCE		POST-TRIP	TRIPPED POWER
CURRENT			VA		JES	RESISTANCE	DISSIPATION
						STANDARD TRIP	
AMPS	AMPS AMPS A		SECONDS AT	OHMS		OHMS	WATTS AT
AT 25°C	25°C		25°C, 32.5A	AT 25°C		AT 25°C	25°C 16V
HOLD	HOLD	TRIP	MAX	MIN	MAX	MAX	TYP
6.5	6.5	12.0	5.5	0.011	0.0175	0.026	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 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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