

# PolySwitch® PTC Devices

**Overcurrent Protection Device** 

PRODUCT: RUEF185

DOCUMENT: SCD25173

REV LETTER: G REV DATE: JULY 26 2016

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## **Specification Status: Released**

Maximum Electrical Rating at 20°C

30 VDC /100 ADC 30 VAC /70 ARMS

Insulating Material:

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

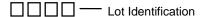
Lead Material:

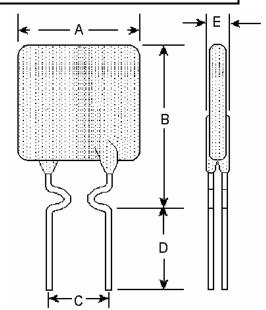
24 AWG Tin Plated Copper Clad Steel

Marking:

Manufacturer's Mark

₩ U185 and Part Identification





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

	Α		В		C		D		E	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:		10.2		15.7	4.3	5.8	7.6			3.0
in*:		(0.40)		(0.62)	(0.17)	(0.23)	(0.30)			(0.12)

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

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

I HOLD	CURRENT RATINGS		TIME TO TRIP	RESISTANCE		ONE-HOUR POST-TRIP RESISTANCE STANDARD TRIP	TRIPPED POWER DISSIPATION	
AMPS	AMPS AT		SECONDS AT	OHMS		OHMS	WATTS AT	WATTS AT
20°C	20°C		20°C, 9.25A	AT 20°C		AT 20°C	20°C	20°C
HOLD	HOLD	TRIP	MAX	MIN	MAX	MAX	NOMINAL	MAX
1.85	1.85	3.70	8.7	0.03	0.06	0.09	1.00	1.41

Agency Recognitions: UL, CSA, TUV, CQC

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\*** 

(Pk)



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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