

## PolySwitch® PTC Devices

**Overcurrent Protection Device** 

PRODUCT: RUEF300

DOCUMENT: SCD25175

REV LETTER: H

**REV DATE: JULY 26,2016** 

PAGE NO.: 1 OF 2

### **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:

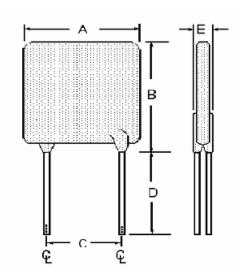
20 AWG Tin Plated Copper

Marking:

- Manufacturer's Mark

₩ U300 and Part Identification





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

	Α		В		С		D		E	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:		11.4		16.5	4.3	5.8	7.6	-	-	3.0
in*:		(0.45)		(0.65)	(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,15.0A	AT 20.0° C		AT 20°C	20°C	20°C	
HOLD	HOLD	TRIP	MAX	MIN	MAX	MAX	NOMINAL	MAX	
3.00	3.00	6.00	10.8	0.02	0.05	0.08	2.00	2.51	

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\*

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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