

308 Constitution Drive Menlo Park, CA USA www.circuitprotection.com

# PolySwitch® PTC Devices

**Overcurrent Protection Device** 

PRODUCT: RUEF900

DOCUMENT: SCD25181

**REV LETTER: G** 

REV DATE: AUGUST 13, 2013

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## **Specification Status: Released**

Maximum Electrical Rating at 20℃

 $30 V_{DC} / 100 A_{DC}$  $30 V_{AC} / 70 A_{RMS}$ 

Insulating Material:

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

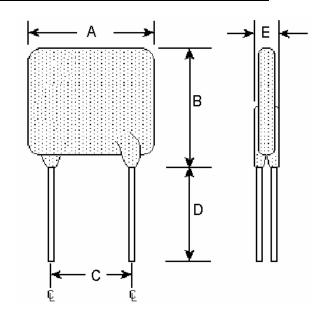
Lead Material:

20 AWG Tin Plated Copper

Marking:

— Manufacturer's Mark

\_\_\_\_\_Lot Identification



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

	Α		В		С		D		Е	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:		24.1		29.0	9.4	10.9	7.6			3.0
in*:		(0.95)	-	(1.14)	(0.37)	(0.43)	(0.30)	-	-	(0.12)

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

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

I HOLD		RENT	TIME TO TRIP	RESISTANCE		ONE-HOUR POST-TRIP RESISTANCE STANDARD	TRIPPED POWER DISSIPATION	
						TRIP		
AMPS	AMPS AT		SECONDS AT	OHMS		OHMS	WATTS AT	WATTS AT
20℃	20℃		20℃, 45.0A	AT 20℃		AT 20℃	20℃	20℃
HOLD	HOLD	TRIP	MAX	MIN	MAX	MAX	NOMINAL	MAX
9.00	9.00	18.00	20.0	0.005	0.01	0.02	4.20	4.91

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





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