

# PolySwitch® PTC Devices

**Overcurrent Protection Device** 

**PRODUCT: RUEF800** 

DOCUMENT: SCD25180

REV LETTER: G

**REV DATE: JULY 26,2016** 

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### **Specification Status: Released**

Maximum Electrical Rating at 20°C

 $30 \text{ V}_{DC} / 100 \text{ A}_{DC}$   $30 \text{ V}_{AC} / 70 \text{ A}_{RMS}$ 

Insulating Material:

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

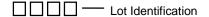
Lead Material:

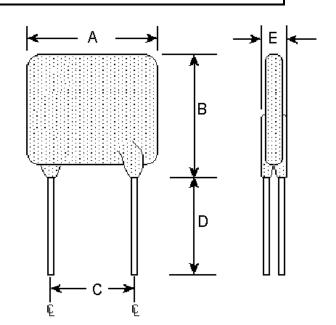
20 AWG Tin Plated Copper

Marking:

Manufacturer's Mark

X U800 and Part Identification





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

	Α		В		С		D		Е	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:		21.6		28.4	9.4	10.9	7.6			3.0
in*:		(0.85)		(1.12)	(0.37)	(0.43)	(0.30)			(0.12)

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

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

I HO LD	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, 40A	AT 20°C		AT 20°C	20°C	20°C
HOLD	HOLD	TRIP	MAX	MIN	MAX	MAX	NOMINAL	MAX
8.00	8.00	16.00	18.8	0.005	.013	0.02	4.00	4.35

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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