# Tyco Electronics

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### **PolySwitch**® **PTC Devices**

**Overcurrent Protection Device** 

**Raychem Circuit Protection Products** 

**PRODUCT: RUEF800** 

DOCUMENT: SCD 25180 PCN: F07147 **REV LETTER: D** REV DATE: SEPTEMBER 24, 2007 PAGE NO.: 1 OF 1

## **Specification Status: Released**

#### Maximum Electrical Rating at 20°C

30 V<sub>DC</sub> /100 A<sub>DC</sub> 30 V<sub>AC</sub> /70 A<sub>RMS</sub>

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

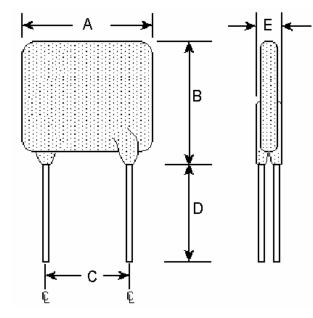
Lead Material: 20 AWG Tin Plated Copper

#### Marking:

Manufacturer's Mark and Voltage XX 30 UF 800 -

Part Identification

Lot I dentific ation (can be on back)



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

	Α		В		С		D		E	
	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)

\*Rounded off approximation

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

ſ	I HOLD	CURRENT		TIME TO	RESISTANCE		ONE-HOUR	NOMINAL	
		RATINGS		TRIP			POST-TRIP	TRIPPED	
							RESISTANCE	POWER	
							STANDARD	DISSIPATION	
							TRIP		
	AMPS	AMPS AT		SECONDS AT	OHMS		OHMS	WATTS AT	
	20°C	20°C		20°C, 40A	AT 20°C		AT 20°C	20°C	
	HOLD	HOLD	TRIP	MAX	MIN	MAX	MAX		
I	8.00	8.00	16.00	18.8	0.005	.013	0.02	4.0	

Agency Recognitions: Reference Documents: Precedence: Effectivity: CAUTION:

UL, CSA, TUV

PS300

This specification takes precedence over documents referenced herein. Reference documents shall be the issue in effect on the date of invitation for bid. Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame.

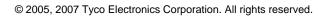
#### Materials Information **ROHS Compliant**

**ELV Compliant** 









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