
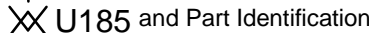



**Specification Status: Released**

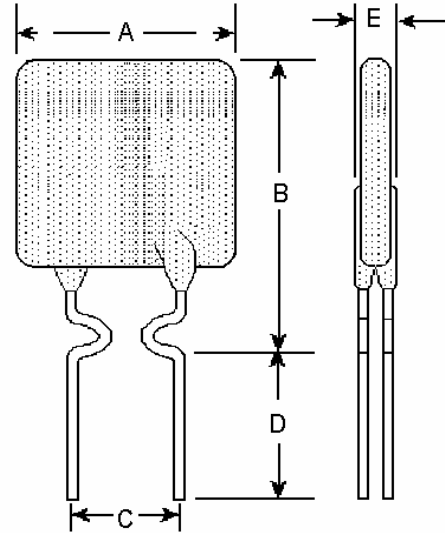
Maximum Electrical Rating at 20°C  
30 V<sub>DC</sub> / 100 A<sub>DC</sub>  
30 V<sub>AC</sub> / 70 A<sub>RMS</sub>

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

Lead Material:  
24 AWG Tin Plated Copper Clad Steel

Marking:  
 Manufacturer's Mark  
 XX U185 and Part Identification

 Lot Identification



**TABLE I. DIMENSIONS:**

	A		B		C		D		E	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	--	10.2	--	15.7	4.3	5.8	25.4	--	--	3.0
in*:	--	(0.40)	--	(0.62)	(0.17)	(0.23)	(1.00)	--	--	(0.12)

\*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 20°C HOLD	AMPS AT 20°C TRIP		OHMS AT 20°C MIN	OHMS AT 20°C MAX		WATTS AT 20°C NOMINAL	WATTS AT 20°C MAX
1.85	1.85	3.70	8.7	0.03	0.06	0.09	1.00	1.41

Agency Recognitions: UL, CSA, TUV  
 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.  
 CAUTION003A: 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



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



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**PTC Devices**  
**Overcurrent Protection Device**

**PRODUCT : RUEF185-1**

DOCUMENT : SCD26531  
REV LETTER: D  
REV DATE: JULY 26, 2016  
PAGE NO.: 2 OF 2

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