

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

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: RUEF185

DOCUMENT: SCD25173

REV LETTER: F

REV DATE: DECEMBER 06, 2011

PAGE NO.: 1 OF 1

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

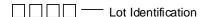
Lead Material:

24 AWG Tin Plated Copper Clad Steel

Marking:

Manufacturer's Mark

W U185 and Part Identification



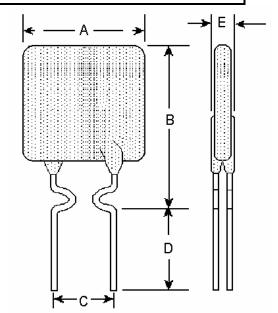


TABLE I. DIMENSIONS:

	A	4	E	3	C	;)		E			
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX			
mm:		10.2		15.7	4.3	5.8	7.6			3.0			
in*:		(0.40)		(0.62)	(0.17)	(0.23)	(0.30)			(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	AMPS AT		SECONDS AT	OHMS		OHMS	WATTS AT	WATTS AT
20°C	20°C		20°C, 9.25A	AT 20°C		AT 20°C	20°C	20°C
HOLD	HOLD	TRIP	MAX	MIN	MAX	MAX	NOMINAL	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.

CAUTION: Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame.

Materials Information

ROHS Compliant ELV Compliant Pb-

Pb-Free

Halogen Free*

Directive 2002/95/EC Compliant Directive 2000/53/EC Compliant





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^{*} Halogen Free refers to: Br≤900ppm, Cl≤900ppm, Br+Cl≤1500ppm.