

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: RUEF500

DOCUMENT: SCD25177

REV LETTER: G

REV DATE: JULY 26,2016

PAGE NO.: 1 OF 2

Specification Status: Released

Maximum Electrical Rating at 20°C

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

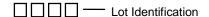
Insulating Material:

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

Lead Material:

20 AWG Tin Plated Copper

Marking:



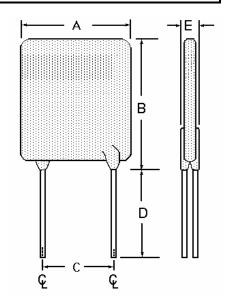


TABLE I. DIMENSIONS:

	Α		В		С		D		E	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:		14.0		24.1	9.4	10.9	7.6			3.0
in*:		(0.55)		(0.95)	(0.37)	(0.43)	(0.30)			(0.12)

^{*}Rounded off approximation

TABLE II. PERFORMANCE RATINGS:

I HOLD	CURRENT		TIME TO	RESISTANCE		ONE-HOUR	TRIPPED POWER		
	RATINGS		TRIP			POST-TRIP	DISSIP	DISSIPATION	
						RESISTANCE			
						STANDARD			
						TRIP	<u> </u>		
AMPS	AMPS AT		SECONDS AT	OHMS		OHMS	WATTS AT	WATTS AT	
20°C	20°C		20°C, 25.0A	AT 20.0° C		AT 20°C	20°C	20°C	
HOLD	HOLD	TRIP	MAX	MIN	MAX	MAX	NOMINAL	MAX	
5.00	5.00	10.00	14.5	0.01	0.03	0.05	3.00	3.23	

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





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



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