

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

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: RUEF500

DOCUMENT: SCD25177 REV LETTER: G

REV DATE: AUGUST 06, 2013

PAGE NO.: 1 OF 1

Specification Status: Released

Maximum Electrical Rating at 20℃

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

Insulating Material:

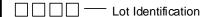
Cured, Flame Retardant Epoxy Polymer meets UL94 V-0 Requirements

Lead Material:

20 AWG Tin Plated Copper

Marking:

Manufacturer's Mark



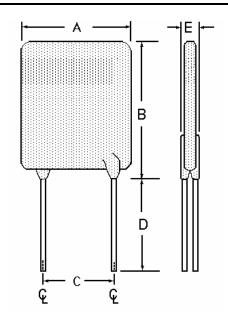


TABLE I. DIMENSIONS:

	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	CUF	RENT	TIME TO	RESISTANCE		ONE-HOUR	TRIPPED POWER	
	RA	ΓINGS	TRIP	İ		POST-TRIP	DISSIPATION	
						RESISTANCE		
						STANDARD		
						TRIP		
AMPS	AM	PS AT	SECONDS AT	OHMS		OHMS	WATTS AT	WATTS AT
20℃	2	20 \circ	20℃, 25.0A	AT 20.0°C		AT 20℃	20℃	20℃
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:

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





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