

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: RUEF500K

DOCUMENT: SCD25822

REV LETTER: E

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:

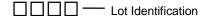
20 AWG Tin Plated Copper

Marking:

Manufacturer's Mark

Multiple Manufacturer's Mark

Multiple Manufacturer's Mark



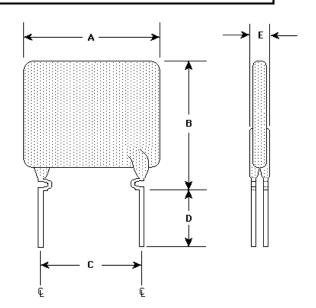


TABLE I. DIMENSIONS:

	Α		В		С		D		E	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:		14.0	-	25.6	9.4	10.9	7.6	-	1	3.0
in*:		(0.55)		(1.01)	(0.37)	(0.43)	(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, 25.0A	AT 20.0° C		AT 20°C	20°C	20°C
HOLD	HOLD	TRIP	MAX	MIN	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.

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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