

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: RGEF500K

DOCUMENT: SCD25637

REV LETTER: E

REV DATE: JULY 26, 2016

PAGE NO.: 1 OF 2

Specification Status: Released

Electrical Rating
Voltage: 16V MAX
Current: 100A MAX

Insulating Material:

Cured, Flame Retardant Epoxy Polymer

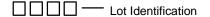
meets UL94 V-0 Requirements

Lead Material:

20 AWG Tin Plated Copper (0.81mm [0.032] nom. diameter)

Marking:

Manufacturer's Mark



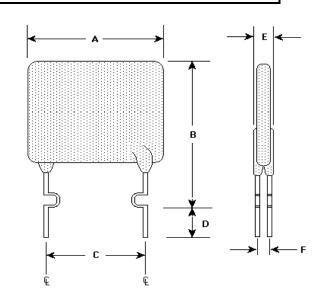


TABLE I. DIMENSIONS:

	Α		В		С		D		E		F
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	TYP
mm:	9.4	10.4	-	16.9	4.3	5.8	7.6	-	2.0	3.0	1.2
in*:	(0.37)	(0.41)	•	(0.67)	(0.17)	(0.23)	(0.30)	-	(0.08)	(0.12)	(0.05)

^{*}Rounded off approximation

TABLE II. PERFORMANCE RATINGS:

I HOLD		RENT	1	TIAL	TIME TO TRIP	R _{1 MAX}	TRIPPED-
	RATED RATINGS		RESISTANCE			1 HR. POST	STATE POWER
CURRENT	RENT		VALUES			TRIP	DISSIPATION
						RESISTANCE	
						STANDARD TRIP	
AMPS	AMPS		OHMS		SECONDS AT	OHMS	WATTS
AT 25°C	AT 25°C		AT 25°C		25°C, 25A	AT 25°C	AT 25°C
HOLD	HOLD	TRIP	MIN	MAX	MAX	MAX	TYP
5.0	5.0	8.5	0.0150	0.0240	2.0	0.0340	2.6

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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