

## PolySwitch® PTC Devices

**Overcurrent Protection Device** 

PRODUCT: RGEF500

DOCUMENT: SCD25194

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

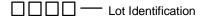
Lead Material:

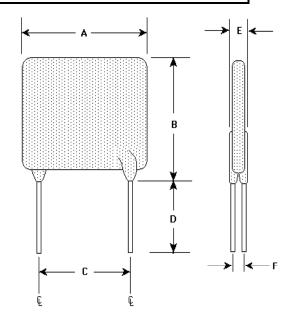
20 AWG Tin Plated Copper (0.81mm [0.032] nom. diameter)

Part Marking:

Manufacturer's Mark

X G5 and Part Identification





### **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	9.4	14.3	4.3	5.8	7.6	-	2.0	3.0	1.2
in*:	(0.37)	(0.41)	(0.37)	0.56)	(0.17)	(0.23)	(0.30)	ı	(80.0)	(0.12)	(0.05)

<sup>\*</sup>Rounded off approximation

#### **TABLE II. PERFORMANCE RATINGS:**

	I HOLD RATED CURRENT	CURF RATI		INITIAL RESISTANCE VALUES		TIME TO TRIP	R <sub>1 MAX</sub> 1 HR. POST TRIP RESISTANCE STANDARD TRIP	TRIPPED- STATE POWER DISSIPATION
	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
ı	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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