

# PolySwitch® PTC Devices

**Overcurrent Protection Device** 

PRODUCT: RGEF600

DOCUMENT: SCD25195

**REV LETTER: E** 

REV DATE: JULY 26, 2016

PAGE NO.: 1 OF 2

### **Specification Status: Released**

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

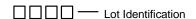
Insulating Material:

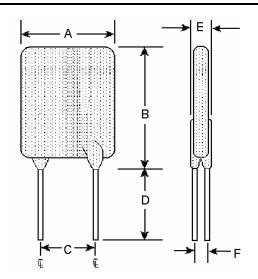
Cured, Flame Retardant Epoxy Polymer meets UL94 V-0 Requirements

Lead Material:

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

Marking:





#### **TABLE I. DIMENSIONS:**

	Α		В		С		D		Е		F
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	TYP
mm:	9.7	10.7	12.2	17.1	4.3	5.8	7.6		2.0	3.0	1.2
in*:	(0.38)	(0.42)	(0.48)	(0.67)	(0.17)	(0.23)	(0.30)	-	(0.08)	(0.12)	(0.05)

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

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

_	TABLE III I ERI GIRINATOE TATITOG.										
	I HOLD RATED CURRENT	CURRENT RATINGS		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, 30A	AT 25°C	AT 25°C			
	HOLD	HOLD	TRIP	MIN	MAX	MAX	MAX	TYP			
	6.0	6.0	10.2	0.0100	0.0190	3.3	0.0280	2.8			

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





<sup>\*</sup> Halogen Free refers to: Br≤900ppm, Cl≤900ppm, Br+Cl≤1500ppm.



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