

PolySwitch® PTC Devices

Overcurrent Protection Device

А

PRODUCT: RGEF600

Е

B

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# **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

 $\times G6$  and Part Identification

Lot Identification

### TABLE I. DIMENSIONS:

	А		В		С		D		E		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)

#### \*Rounded off approximation

#### TABLE II. PERFORMANCE RATINGS:

	I HOLD RATED CURRENT	CURRENT RATINGS		INITIAL RESISTANCE VALUES		TIME TO TRIP	R1 MAX 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			
Ag	Agency Recognitions: UL, CSA, TUV										

Reference Documents: PS300 Precedence: This specification takes

This specification takes precedence over documents referenced herein.

Reference documents shall be the issue in effect on the date of invitation for bid.

Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame.

## Materials Information

Effectivity:

CAUTION:

 
 ROHS Compliant
 ELV Compliant
 Pb-Free
 Halogen Free\*

 Directive 2002/95/EC Compliant
 Directive 2000/53/EC Compliant
 Image: Compliant
 Image: Compliant

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



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