

308 Constitution Drive Menlo Park, CA USA www.circuitprotection.com

### **PolySwitch**® **PTC Devices**

**Overcurrent Protection Device** 

**PRODUCT: RGEF900** 

DOCUMENT: SCD25198 **REV LETTER: E** REV DATE: MARCH 04, 2013 PAGE NO.: 1 OF 1

# **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

and Part Identification XX G9

Lot Identification

**TABLE I. DIMENSIONS:** 

	А		В		С		D		E		F
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	TYP
mm:	13.0	14.0	16.8	21.7	4.3	5.8	7.6	-	2.0	3.0	1.2
in*:	(0.51)	(0.55)	(0.66)	(0.85)	(0.17)	(0.23)	(0.30)	-	(0.08)	(0.12)	(0.05)

\*Rounded off approximation

#### TABLE II. PERFORMANCE RATINGS:

I HOLD RATED CURRENT		RENT INGS	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, 45.0 A	AT 25°C	AT 25°C
HOLD	HOLD	TRIP	MIN	MAX	MAX	MAX	TYP
9.0	9.0	15.3	0.0047	0.0091	5.5	0.0135	3.3

Agency Recognitions: Reference Documents: Precedence: Effectivity: CAUTION:

UL, CSA, TUV.

PS300

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 **ROHS Compliant**

**ELV Compliant** 

**Pb-Free** 

**Halogen Free\*** 



Directive 2000/53/EC

Compliant





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

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