

## PolySwitch® PTC Devices

**Overcurrent Protection Device** 

PRODUCT: RGEF600K

DOCUMENT: SCD26181

REV LETTER: G

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:

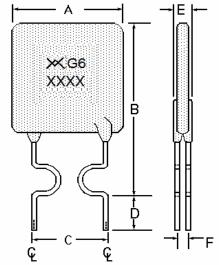
20 AWG Tin Plated Copper (0.81mm [0.032] nom. diameter)

Marking:

— Manufacturer's Mark

XX G6 and Part Identification

XXXX — Lot Identification



Measured at the button of the kink in device lead wires

#### TABLE I. DIMENSIONS:

	Α		В		C		D		, E		F
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	TYP
mm:		10.7	-	18	4.3	5.8	7.6	-	2.0	3.0	1.2
in*::	-	(0.42)	-	(0.78)	(0.17)	(0.23)	(0.3)	-	(80.0)	(0.12)	(0.05)

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

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

I HOLD RATED CURRENT		RENT NGS	RESIS	TAL TANCE UES	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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