

## PolySwitch® PTC Devices

**Overcurrent Protection Device** 

PRODUCT: RGEF700K

DOCUMENT: SCD26906

**REV LETTER: D** 

**REV DATE: JULY 26, 2016** 

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### **Specification Status: Released**

Voltage: 16V MAX
Current: 100A MAX

Insulating Material:

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

Lead Material:

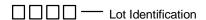
20 AWG Tin Plated Copper (0.81mm [0.032] nom. diameter)

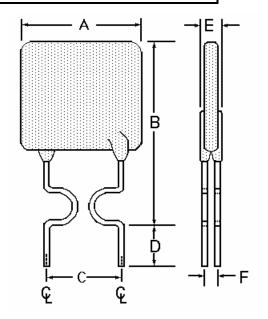
Marking:

Manufacturer's Mark

Manufacturer's Mark

and Part Identification





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

	Α		В		С		D		Е		F
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	TYP
mm:	10.2	11.2	-	22.2	4.3	5.8	7.6	-	2.0	3.0	1.2
in*:	(0.40)	(0.44)	-	(0.87)	(0.17)	(0.23)	(0.30)	-	(0.08)	(0.12)	(0.05)

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

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

- :								
	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 AT 25°C	AMPS AT 25°C		OHMS AT 25°C		SECONDS AT 25°C, 35A	OHMS AT 25°C	WATTS AT 25°C
	HOLD	HOLD	TRIP	MIN	MAX	MAX	MAX	TYP
	7.0	7.0	11.9	0.0077	0.0131	3.5	0.0200	3.0

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





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



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