

**Specification Status: Released**

**Electrical Rating**

**Voltage: 16V MAX**  
**Current: 100A MAX**

**Insulating Material:**

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

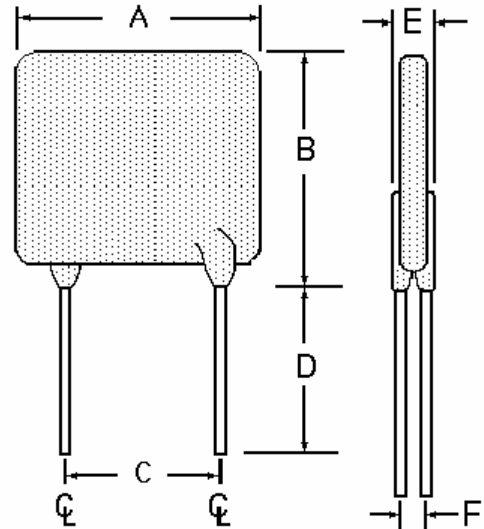
**Lead Material:**

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

**Marking:**

— Manufacturer's Mark  
⊗ G3 and Part Identification

□ □ □ □ — Lot Identification



**TABLE I. DIMENSIONS:**

	A		B		C		D		E		F
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	TYP
mm:	6.1	7.1	6.1	11.0	4.3	5.8	7.6	-	2.0	3.0	1.2
in*:	(0.24)	(0.28)	(0.24)	(0.43)	(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	R <sub>1</sub> MAX 1 HR. POST TRIP RESISTANCE STANDARD TRIP	TRIPPED- STATE POWER DISSIPATION
	AMPS AT 25°C HOLD	AMPS AT 25°C HOLD   TRIP	OHMS AT 25°C MIN   MAX		SECONDS AT 25°C, 15A MAX	OHMS AT 25°C MAX	WATTS AT 25°C TYP
3.0	3.0	5.1	0.0380	0.0650	1.0	0.0975	2.3

Recognition: UL, CSA, TUV recognized.

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



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



**PolySwitch®**  
**PTC Devices**  
**Overcurrent Protection Device**

**PRODUCT: RGEF300**

DOCUMENT: SCD25192  
REV LETTER: E  
REV DATE: JULY 26, 2016  
PAGE NO.: 2 OF 2

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