

### Specification Status: Released

#### Electrical Rating

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

#### Insulating Material:

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

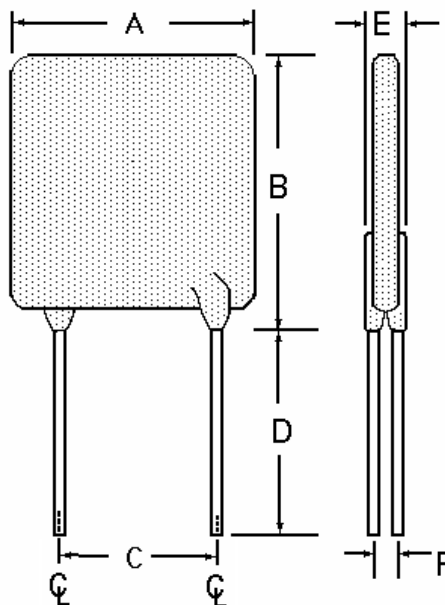
#### Lead Material:

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

#### Marking:

— Manufacturer's Mark  
 XX G5 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:	9.4	10.4	9.4	14.3	4.3	5.8	25.4	--	2.0	3.0	1.2
in*:	(0.37)	(0.41)	(0.37)	(0.56)	(0.17)	(0.23)	(1.0)	--	(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, 25A MAX	OHMS AT 25°C MAX	WATTS AT 25°C TYP
5.0	5.0	8.5	0.0150	0.0240	2.0	0.0340	2.6

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 2002/95/EC  
Compliant

Directive 2000/53/EC  
Compliant



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

**PolySwitch<sup>®</sup>**  
**PTC Devices**  
**Overcurrent Protection Device**

**PRODUCT: RGEF500-1**

DOCUMENT: SCD26271  
REV LETTER: D  
REV DATE: JULY 26, 2016  
PAGE NO.: 2 OF 2

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