

## Specification Status: Released

### Electrical Rating

**Voltage: 16V MAX**

**Current: 100A MAX**

### Insulating Material:

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

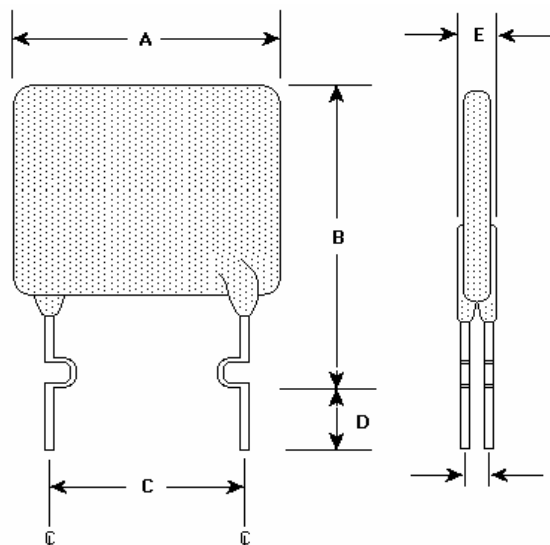
### Lead Material:

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

### Marking:

— Manufacturer's Mark  
**XX G3** and Part Identification

□□□□ — Lot Identification



**TABLE I. DIMENSIONS:**

|      | A      |        | B   |        | C      |        | D      |     | E      |        | F      |
|------|--------|--------|-----|--------|--------|--------|--------|-----|--------|--------|--------|
| mm:  | MIN    | MAX    | MIN | MAX    | MIN    | MAX    | MIN    | MAX | MIN    | MAX    | TYP    |
|      | 6.1    | 7.1    | -   | 13.6   | 4.3    | 5.8    | 7.6    | -   | 2.0    | 3.0    | 1.2    |
| in*: | (0.24) | (0.28) | -   | (0.54) | (0.17) | (0.23) | (0.30) | -   | (0.08) | (0.12) | (0.05) |

\*Rounded off approximation

**TABLE II. PERFORMANCE RATINGS :**

| I HOLD<br>RATED<br>CURRENT | CURRENT<br>RATINGS      |                         | INITIAL<br>RESISTANCE<br>VALUES |                        | TIME TO TRIP                   | R <sub>1</sub> MAX<br>1 HR. POST<br>TRIP<br>RESISTANCE<br>STANDARD<br>TRIP | TRIPPED-<br>STATE<br>POWER<br>DISSIPATION |
|----------------------------|-------------------------|-------------------------|---------------------------------|------------------------|--------------------------------|----------------------------------------------------------------------------|-------------------------------------------|
| AMPS<br>AT 25°C<br>HOLD    | AMPS<br>AT 25°C<br>HOLD | AMPS<br>AT 25°C<br>TRIP | OHMS<br>AT 25°C<br>MIN          | OHMS<br>AT 25°C<br>MAX | SECONDS AT<br>25°C, 15A<br>MAX | OHMS<br>AT 25°C<br>MAX                                                     | WATTS<br>AT 25°C<br>TYP                   |
| 3.0                        | 3.0                     | 5.1                     | 0.0380                          | 0.0650                 | 1.0                            | 0.0975                                                                     | 2.3                                       |

### Recognition:

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

**PRODUCT: RGEF300K**

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PAGE NO: 2 OF 2

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