

## Specification Status: Released

### Electrical Rating

**Voltage: 16V MAX**

**Current: 100A MAX**

Insulating Material:

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

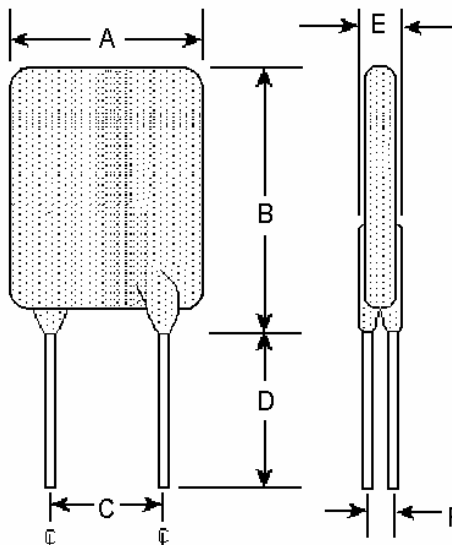
Lead Material:

20 AWG Tin Plated Copper

Marking:

— Manufacturer's Mark  
XX G10 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:  | --  | 16.5   | 21.1   | 25.2   | 4.3    | 5.8    | 25.4   | --  | 2.0    | 3.0    | 1.2    |
| in*: | --  | (0.65) | (0.83) | (0.99) | (0.17) | (0.23) | (1.00) | --  | (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 TRIP<br>RESISTANCE<br>STANDARD TRIP | TRIPPED-<br>STATE 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, 50.0 A<br>MAX | OHMS<br>AT 25°C<br>MAX                                               | WATTS<br>AT 25°C<br>TYP                |
| 10.0                       | 10.0                    | 17.0                    | 0.0040                          | 0.0070                 | 6.0                               | 0.0102                                                               | 3.6                                    |

Agency Recognitions:

UL, CSA, TUV.

Reference Document:

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: RGEF1000-1**

DOCUMENT: SCD26496  
REV LETTER: E  
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PAGE NO.: 2 OF 2

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