

## Specification Status: Released

### Electrical Rating

**Voltage: 16V MAX**

**Current: 100A MAX**

### Insulating Material:

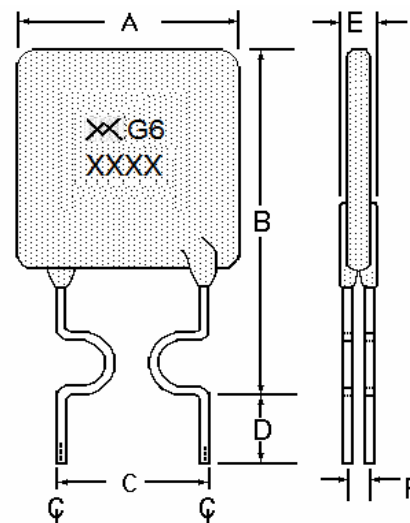
Cured, Flame Retardant Epoxy Polymer  
meets UL94 V-0 Requirements

### Lead Material:

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

### Marking:

— Manufacturer's Mark  
**XX G6** and Part Identification  
**XXXX** — Lot Identification



Measured at the button of  
the kink in device lead wires

TABLE I. DIMENSIONS:

|      | A   |        | B   |        | C      |        | D     |     | E      |        | F      |
|------|-----|--------|-----|--------|--------|--------|-------|-----|--------|--------|--------|
|      | MIN | MAX    | MIN | MAX    | MIN    | MAX    | MIN   | MAX | MIN    | MAX    | TYP    |
| mm:  | -   | 10.7   | -   | 18     | 4.3    | 5.8    | 7.6   | -   | 2.0    | 3.0    | 1.2    |
| in*: | -   | (0.42) | -   | (0.78) | (0.17) | (0.23) | (0.3) | -   | (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, 30A<br>MAX | OHMS<br>AT 25°C<br>MAX                                                     | WATTS<br>AT 25°C<br>TYP                   |
| 6.0                        | 6.0                     | 10.2                    | 0.0100                          | 0.0190                 | 3.3                            | 0.0280                                                                     | 2.8                                       |

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**



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

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