

## Specification Status: Released

### Electrical Rating

**Voltage: 16V<sub>DC</sub> MAX**

**Current: 40A MAX**

Insulating Material:

Cured, Flame Retardant Epoxy Polymer  
meets UL 94 V-O Requirements

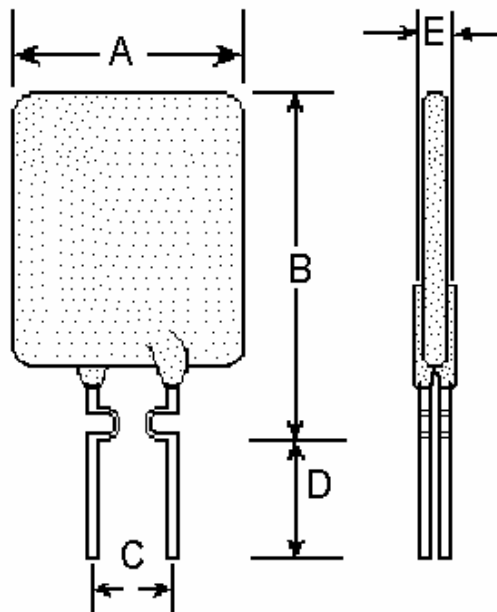
Lead Material:

24 AWG Tin Plated Copper Clad Steel

Marking:

— Manufacturer's Mark  
XX R185 and Part Identification

□□□□ — Lot Identification



**TABLE I. DIMENSIONS:**

|      | A   |        | B   |        | C      |        | D      |     | E   |        |
|------|-----|--------|-----|--------|--------|--------|--------|-----|-----|--------|
|      | MIN | MAX    | MIN | MAX    | MIN    | MAX    | MIN    | MAX | MIN | MAX    |
| mm:  | --  | 10.2   | --  | 15.7   | 4.3    | 5.8    | 7.6    | --  | --  | 3.0    |
| in*: | --  | (0.40) | --  | (0.62) | (0.17) | (0.23) | (0.30) | --  | --  | (0.12) |

\*Rounded off approximation

**TABLE II. PERFORMANCE RATINGS :**

| I HOLD<br>RATED<br>CURRENT | CURRENT<br>RATINGS         |                            | INITIAL RESISTANCE<br>VALUES |                        |                        | ONE HOUR<br>POST-TRIP<br>RESISTANCE<br>STANDARD<br>TRIP | TIME TO<br>TRIP<br>@ 8A | TRIPPED-<br>STATE<br>POWER<br>DISSIPATION |
|----------------------------|----------------------------|----------------------------|------------------------------|------------------------|------------------------|---------------------------------------------------------|-------------------------|-------------------------------------------|
| AMPERES<br>AT 20°C<br>HOLD | AMPERES<br>AT 20°C<br>HOLD | AMPERES<br>AT 20°C<br>TRIP | OHMS<br>AT 20°C<br>MIN       | OHMS<br>AT 20°C<br>TYP | OHMS<br>AT 20°C<br>MAX | OHMS<br>AT 20°C<br>MAX                                  | SECONDS<br>AT 20°C      | WATTS<br>AT 20°C                          |
| 1.85                       | 1.85                       | 3.70                       | 0.03                         | 0.045                  | 0.051                  | 0.09                                                    | 10                      | 1.0                                       |

Agency Recognitions:  
Reference Documents:

UL, CSA, TUV  
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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