

## Specification Status: Released

### Electrical Rating

Voltage: 72 V max (AC or DC)  
Current: 40 A max (AC or DC)

### Insulating Material:

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

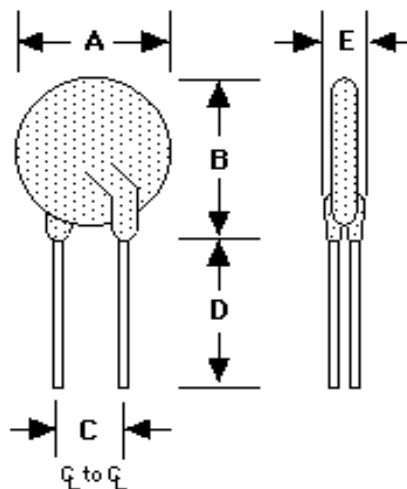
### Lead Material:

20 AWG Tin Plated Copper

### Marking:

— Manufacturer's Mark  
XX X185 and Part Identification

□□□□ — Lot Identification



**TABLE I. DIMENSIONS:**

|      | A   |        | B   |        | C      |        | D      |     | E   |        |
|------|-----|--------|-----|--------|--------|--------|--------|-----|-----|--------|
|      | MIN | MAX    | MIN | MAX    | MIN    | MAX    | MIN    | MAX | MIN | MAX    |
| mm:  | --  | 17.5   | --  | 22.4   | 4.3    | 5.8    | 25.4   | --  | --  | 3.0    |
| in*: | --  | (0.69) | --  | (0.88) | (0.17) | (0.23) | (1.00) | --  | --  | (0.12) |

\*Rounded off approximation

**TABLE II. PERFORMANCE RATINGS:**

| I HOLD<br>RATED<br>CURRENT | CURRENT<br>RATINGS         |                            | INITIAL<br>RESISTANCE<br>VALUES |                        | TIME TO TRIP                     | ONE HOUR<br>POST-TRIP<br>RESISTANCE<br>STANDARD<br>TRIP | TRIPPED- STATE<br>POWER 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>MAX | SECONDS AT<br>20°C, 9.25A<br>MAX | OHMS<br>AT 20°C<br>MAX                                  | WATTS<br>AT 20°C<br>NOMINAL         | WATTS<br>AT 20°C<br>MAX |
| 1.85                       | 1.85                       | 3.70                       | 0.08                            | 0.12                   | 12.6                             | 0.19                                                    | 2.1                                 | 3.04                    |

Agency Recognitions:  
Reference Documents:  
Precedence:

UL, CSA, TUV, CQC  
PS300

Effectivity:

This specification takes precedence over documents referenced herein.

CAUTION:

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 : RXEF185-1**

DOCUMENT : SCD26690  
REV LETTER : F  
REV DATE: JULY 26, 2016  
PAGE NO.: 2 OF 2

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