



**Specification Status: Released**

**Electrical Rating**

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

**Insulating Material:**

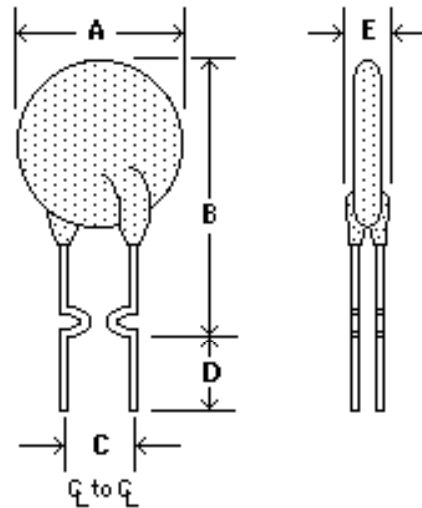
Cured, Flame Retardant Epoxy Polymer  
meets UL94 V-0 Requirements

**Lead Material:**

24 AWG Tin Plated Copper

**Marking:**

— Manufacturer's Mark  
**XX X50** and Part Identification  
  
□□□□ — Lot Identification



**TABLE I. DIMENSIONS:**

|      | A   |        | B   |        | C      |        | D      |     | E   |        |
|------|-----|--------|-----|--------|--------|--------|--------|-----|-----|--------|
|      | MIN | MAX    | MIN | MAX    | MIN    | MAX    | MIN    | MAX | MIN | MAX    |
| mm:  | --  | 7.9    | --  | 13.7   | 4.3    | 5.8    | 7.6    | --  | --  | 3.0    |
| in*: | --  | (0.31) | --  | (0.54) | (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<br>RESISTANCE<br>VALUES |                        | TIME TO TRIP | ONE HOUR<br>POST-TRIP<br>RESISTANCE<br>STANDARD<br>TRIP | TRIPPED- STATE<br>POWER<br>DISSIPATION |                        |
|----------------------------|----------------------------|-----------------------------------|---------------------------------|------------------------|--------------|---|--|------------------------|
|                            | AMPERES<br>AT 20°C<br>HOLD | AMPERES<br>AT 20°C<br>HOLD   TRIP | OHMS<br>AT 20°C<br>MIN   MAX    | OHMS<br>AT 20°C<br>MAX |              |   | SECONDS AT<br>20°C, 2.5A<br>MAX        | OHMS<br>AT 20°C<br>MAX |
| 0.50                       | 0.50                       | 1.00                              | 0.50                            | 0.77                   | 4.0          | 1.17  | 0.77                                   | 1.29                   |

Agency Recognitions:

UL, CSA, TUV, CQC

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.



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

**PRODUCT: RXEF050**

DOCUMENT: SCD25219  
REV LETTER: J  
REV DATE: JULY 26, 2016  
PAGE NO.: 2 OF 2

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