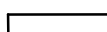




**Specification Status: Released**

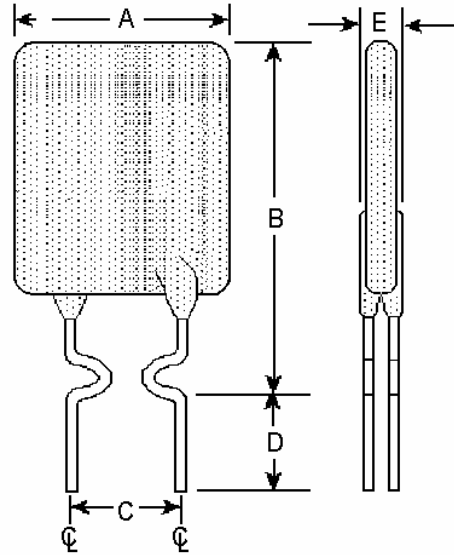
Maximum Electrical Rating at 20°C  
30 V<sub>DC</sub> / 100 A<sub>DC</sub>  
30 V<sub>AC</sub> / 70 A<sub>RMS</sub>

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

Lead Material:  
24 AWG Tin Plated Copper Clad Steel

Marking:  
 Manufacturer's Mark  
 U250 and Part Identification

 Lot Identification



**TABLE I. DIMENSIONS:**

|      | A   |        | B   |        | C      |        | D      |     | E   |        |
|------|-----|--------|-----|--------|--------|--------|--------|-----|-----|--------|
|      | MIN | MAX    | MIN | MAX    | MIN    | MAX    | MIN    | MAX | MIN | MAX    |
| mm:  | --  | 11.4   | --  | 18.3   | 4.3    | 5.8    | 7.6    | --  | --  | 3.0    |
| in*: | --  | (0.45) | --  | (0.72) | (0.17) | (0.23) | (0.30) | --  | --  | (0.12) |

\*Rounded off approximation

**TABLE II. PERFORMANCE RATINGS:**

| I HOLD | CURRENT RATINGS |                          | TIME TO TRIP               | RESISTANCE             |      | ONE-HOUR POST-TRIP RESISTANCE STANDARD TRIP | TRIPPED POWER DISSIPATION |                   |
|--------|-----------------|--------------------------|----------------------------|------------------------|------|---|---------------------------|-------------------|
|        | AMPS 20°C HOLD  | AMPS AT 20°C HOLD   TRIP | SECONDS AT 20°C, 12.5A MAX | OHMS AT 20°C MIN   MAX |      | OHMS AT 20°C MAX                            | WATTS AT 20°C NOMINAL     | WATTS AT 20°C MAX |
| 2.50   | 2.50            | 5.00                     | 10.3                       | 0.02                   | 0.04 | 0.07  | 1.20                      | 1.45              |

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: RUEF250**  
DOCUMENT: SCD25174  
REV LETTER: G  
REV DATE: JULY 26,2016  
PAGE NO.: 2 OF 2

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