

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

**PRODUCT: RUEF900K**

DOCUMENT: SCD26293  
REV LETTER: D  
REV DATE: FEBRUARY 06, 2012  
PAGE NO.: 1 OF 1

**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:

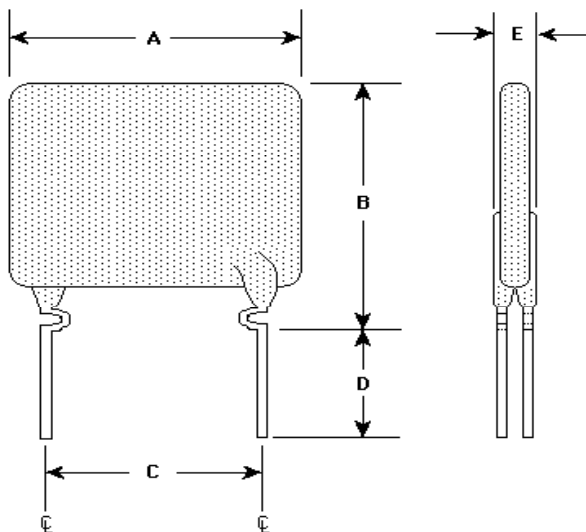
20 AWG Tin Plated Copper

Marking:

— Manufacturer's Mark

XX U900 and Part Identification

□ □ □ □ — Lot Identification



**TABLE I. DIMENSIONS:**

|      | A   |        | B   |        | C      |        | D      |     | E   |        |
|------|-----|--------|-----|--------|--------|--------|--------|-----|-----|--------|
|      | MIN | MAX    | MIN | MAX    | MIN    | MAX    | MIN    | MAX | MIN | MAX    |
| mm:  | --  | 24.1   | --  | 31.0   | 9.4    | 10.9   | 7.6    | --  | --  | 3.0    |
| in*: | --  | (0.95) | --  | (1.22) | (0.37) | (0.43) | (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 | AMPS AT 20°C TRIP | SECONDS AT 20°C, 45.0A MAX | OHMS AT 20°C |      | OHMS AT 20°C MAX                            | WATTS AT 20°C NOMINAL     | WATTS AT 20°C MAX |
|                |                   |                   |                            | MIN          | MAX  |                                             |                           |                   |
| 9.00           | 9.00              | 18.00             | 20.0                       | 0.005        | 0.01 | 0.02                                        | 4.20                      | 4.91              |

Agency Recognitions:

Reference Documents:

Precedence:

Effectivity:

CAUTION:

UL, CSA, TUV

PS300

This specification takes precedence over documents referenced herein.

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.

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