

PolySwitch®
PTC Devices
Overcurrent Protection Device

PRODUCT: RUEF900

DOCUMENT: SCD25181

REV LETTER: F

REV DATE: FEBRUARY 06, 2012

PAGE NO.: 1 OF 1

Specification Status: Released

Maximum Electrical Rating at 20°C

30 V_{DC} / 100 A_{DC}

30 V_{AC} / 70 A_{RMS}

Insulating Material:

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

Lead Material:

20 AWG Tin Plated Copper

Marking:

— Manufacturer's Mark

⊗ U900 and Part Identification

□ □ □ □ — Lot Identification

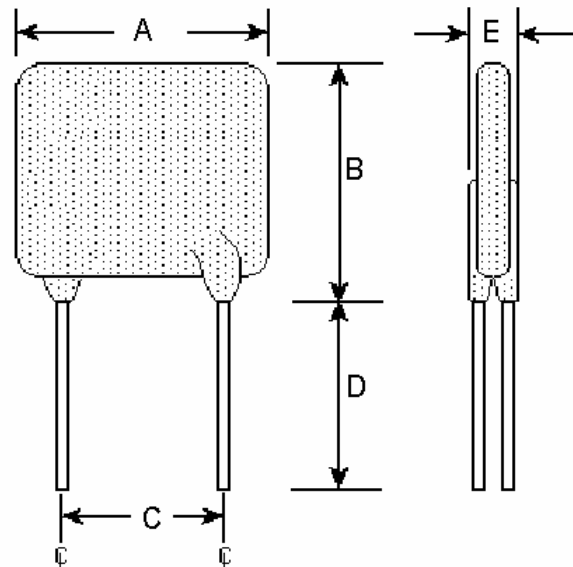


TABLE I. DIMENSIONS:

| | A | | B | | C | | D | | E | |
|------|-----|--------|-----|--------|--------|--------|--------|-----|-----|--------|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX |
| mm: | -- | 24.1 | -- | 29.0 | 9.4 | 10.9 | 7.6 | -- | -- | 3.0 |
| in*: | -- | (0.95) | -- | (1.14) | (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 MIN | OHMS AT 20°C MAX | OHMS AT 20°C MAX | WATTS AT 20°C NOMINAL | WATTS AT 20°C MAX |
| 9.00 | 9.00 | 18.00 | 20.0 | 0.005 | 0.01 | 0.02 | 4.20 | 4.91 |

Agency Recognitions:

UL, CSA, TUV

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.

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