

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
XX U600 and Part Identification

□□□□ — Lot Identification

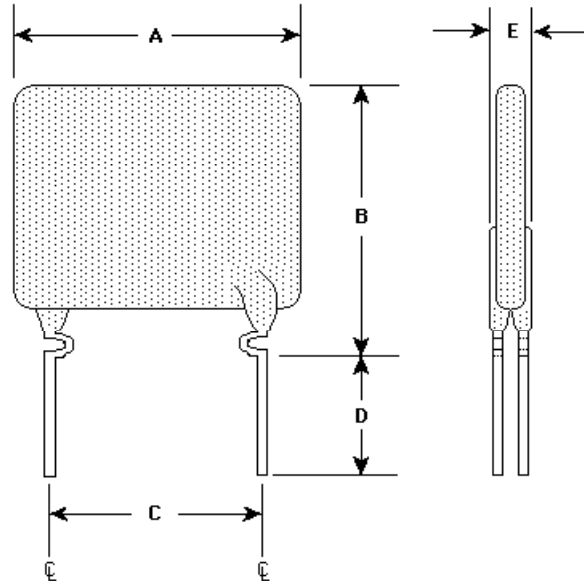


TABLE I. DIMENSIONS:

| | A | | B | | C | | D | | E | |
|------|-----|--------|-----|--------|--------|--------|--------|-----|-----|--------|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX |
| mm: | -- | 16.5 | -- | 26.2 | 9.4 | 10.9 | 7.6 | -- | -- | 3.0 |
| in*: | -- | (0.65) | -- | (1.03) | (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 TRIP | SECONDS AT 20°C, 30.0A MAX | OHMS AT 20.0° C | | OHMS AT 20°C MAX | WATTS AT 20°C NOMINAL | WATTS AT 20°C MAX |
| 6.00 | 6.00 | 12.00 | 16.0 | 0.005 | 0.02 | 0.04 | 3.50 | 3.68 |

Agency Recognitions: UL, CSA, TUV, CQC
Reference Document: 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: RUEF600K

DOCUMENT: SCD25938
REV LETTER: E
REV DATE: JULY 26, 2016
PAGE NO.: 2 OF 2

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