




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:
24 AWG Tin Plated Copper Clad Steel

Marking:
 Manufacturer's Mark
 U185 and Part Identification

 Lot Identification

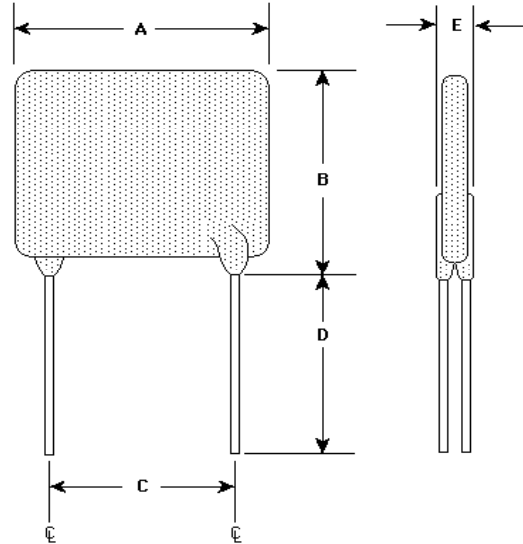


TABLE I. DIMENSIONS:

| | A | | B | | C | | D | | E | |
|------|-----|--------|-----|--------|--------|--------|--------|-----|-----|--------|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX |
| mm: | -- | 10.2 | -- | 15.2 | 4.3 | 5.8 | 7.6 | -- | -- | 3.0 |
| in*: | -- | (0.40) | -- | (0.60) | (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, 9.25A 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 |
| 1.85 | 1.85 | 3.70 | 8.7 | 0.03 | 0.06 | 0.09 | 1.00 | 1.41 |

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.



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PolySwitch®
PTC Devices
Overcurrent Protection Device

PRODUCT: RUEF185S

DOCUMENT: SCD25716
REV LETTER: G
REV DATE: JULY 26, 2016
PAGE NO.: 2 OF 2

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