

308 Constitution Drive Menlo Park, CA USA www.circuitprotection.com

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: RUEF500K

DOCUMENT: SCD25822

REV LETTER: E REV DATE: DECEMBER 06, 2011

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Specification Status: Released

Maximum Electrical Rating at 20°C

30 VDC /100 A DC 30 VAC /70 ARMS

Insulating Material:

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

Lead Material:

20 AWG Tin Plated Copper

Marking:



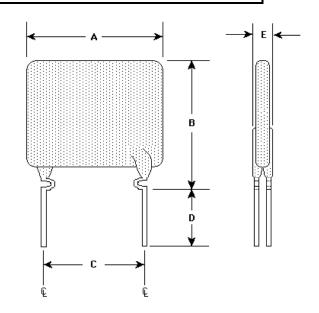


TABLE I. DIMENSIONS:

| | Α | | В | | С | | D | | Е | |
|------|-----|--------|-----|--------|--------|--------|--------|-----|-----|--------|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX |
| mm: | | 14.0 | | 25.6 | 9.4 | 10.9 | 7.6 | | | 3.0 |
| in*: | | (0.55) | - | (1.01) | (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 TRIP | | SECONDS AT 20°C, 25.0A MAX | OHMS AT 20.0° C MIN MAX | | OHMS AT 20°C | WATTS AT 20°C NOMINAL | WATTS AT 20°C MAX |
| 5.00 | 5.00 | 10.00 | 14.5 | 0.01 | 0.03 | 0.05 | 3.00 | 3.23 |

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





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^{*} Halogen Free refers to: Br≤900ppm, Cl≤900ppm, Br+Cl≤1500ppm.