

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: RUEF250U

DOCUMENT: SCD25465 REV LETTER: G

REV DATE: JULY 26, 2016

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Specification Status: Released

Electrical Rating

Voltage: 30V MAX Current: 100A MAX

Insulating Material:

None

Lead Material:

20 AWG Tin Plated Copper

Marking: None

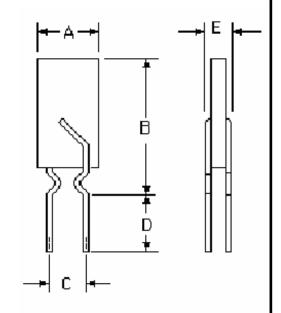


TABLE I. DIMENSIONS:

| | Α | | В | | С | D | Е | |
|------|--------|--------|--------|--------|---------|-------|-----|--------|
| | MIN | MAX | MIN | MAX | TYPICAL | MIN | MIN | MAX |
| mm: | 7.1 | 8.1 | 15.0 | 16.3 | 5.0 | 7.6 | | 2.8 |
| in*: | (0.28) | (0.32) | (0.59) | (0.64) | (0.2) | (0.3) | | (0.11) |

^{*}Rounded off approximation

TABLE II. PERFORMANCE RATINGS:

| I HOLD | CURRENT RATINGS | | | GS | TIME TO TRIP | RESISTANCE | | ONE-HOUR POST-TRIP RESISTANCE STANDARD | TRIPPED POWER DISSIPATION | |
|--------|-----------------|------|---------|------|-----------------|------------|-------|---|------------------------------|----------|
| | <u> </u> | | | | | | | TRIP | | |
| AMPS | AMPS AT | | AMPS AT | | SECONDS AT | OHMS | | OHMS | WATTS AT | WATTS AT |
| 20°C | 20°C | | 50°C | | 20°C, 8A | AT 20°C | | AT 20°C | 20°C | 20°C |
| HOLD | HOLD | TRIP | HOLD | TRIP | MAX | MIN | MAX | MAX | NOMINAL | MAX |
| 2.5 | 2.5 | 4.9 | 2.0 | 3.7 | 5.0 | 0.031 | 0.044 | 0.080 | 1.75 | 2.05 |

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

Directive 2002/95/EC Compliant Directive 2000/53/EC Compliant





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