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# PolySwitch® PTC Devices

**Overcurrent Protection Device**

**PRODUCT: RGEF700**

DOCUMENT: SCD25196
REV LETTER: E
REV DATE: JULY 26, 2016


## Specification Status: Released

### Electrical Rating

**Voltage: 16V MAX**
**Current: 100A MAX**

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

Lead Material:
20 AWG Tin Plated Copper
(0.81mm [0.032] nom. diameter)

Marking:
Manufacturer's Mark
XX G7 and Part Identification
□□□□ — Lot Identification

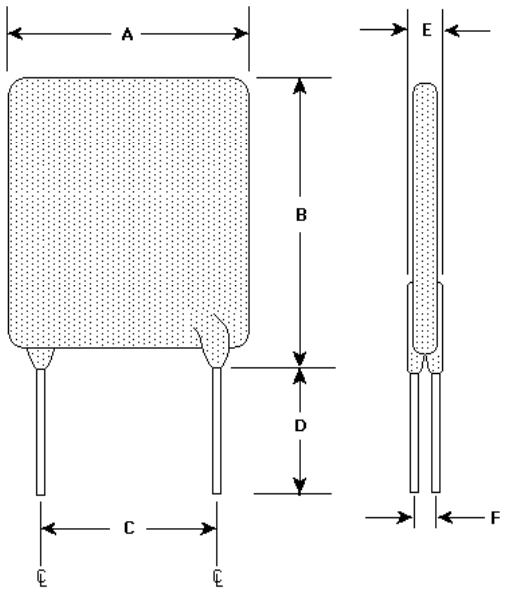



**TABLE I. DIMENSIONS:**

| | A | | B | | C | | D | | E | | F |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | TYP |
| mm: | 10.2 | 11.2 | 14.7 | 19.7 | 4.3 | 5.8 | 7.6 | - | 2.0 | 3.0 | 1.2 |
| in*: | (0.40) | (0.44) | (0.58) | (0.78) | (0.17) | (0.23) | (0.30) | - | (0.08) | (0.12) | (0.05) |

*Rounded off approximation

**TABLE II. PERFORMANCE RATINGS:**

| I HOLD RATED CURRENT | CURRENT RATINGS | | INITIAL RESISTANCE VALUES | | TIME TO TRIP | $R_{1\ MAX}$ 1 HR. POST TRIP RESISTANCE STANDARD TRIP | TRIPPED-STATE POWER DISSIPATION |
|---|---|---|---|---|---|---|---|
| AMPS AT 25°C | AMPS AT 25°C | | OHMS AT 25°C | | SECONDS AT 25°C, 35A | OHMS AT 25°C | WATTS AT 25°C |
| HOLD | HOLD | TRIP | MIN | MAX | MAX | MAX | TYP |
| 7.0 | 7.0 | 11.9 | 0.0077 | 0.0131 | 3.5 | 0.0200 | 3.0 |

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** — Directive 2002/95/EC Compliant

**ELV Compliant** — Directive 2000/53/EC Compliant

**Pb-Free**

**Halogen Free***

HF

* Halogen Free refers to: Br≤900ppm, Cl≤900ppm, Br+Cl≤1500ppm

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Specifications are subject to change without notice.
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