

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

# PolySwitch® PTC Devices

**Overcurrent Protection Device** 

**PRODUCT: RXEF010** 

DOCUMENT: SCD25213

**REV LETTER: H** 

REV DATE: AUGUST 19, 2014

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## **Specification Status: Released**

**Electrical Rating** 

Voltage: 60V MAX Current: 40A MAX

Insulating Material:

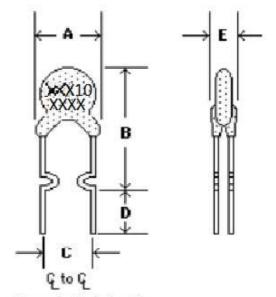
Cured, Flame Retardant Epoxy Polymer meets UL94 V-0 Requirements

Lead Material:

24 AWG Tin Plated Nickel Copper Alloy

Marking:

XXXX — Lot Identification



Measured at the button of the kink in device lead wires

### **TABLE I. DIMENSIONS:**

|      | Α   |        | В   |        | С      |        | D      |     | Е   |        |
|------|-----|--------|-----|--------|--------|--------|--------|-----|-----|--------|
|      | MIN | MAX    | MIN | MAX    | MIN    | MAX    | MIN    | MAX | MIN | MAX    |
| mm:  |     | 7.4    |     | 11.6   | 4.3    | 5.8    | 7.6    |     |     | 3.0    |
| in*: |     | (0.29) |     | (0.46) | (0.17) | (0.23) | (0.30) |     |     | (0.12) |

<sup>\*</sup>Rounded off approximation

#### **TABLE II. PERFORMANCE RATINGS:**

| I HOLD  | CURRENT      |      | INITIAL    |      | TIME TO TRIP | ONE HOUR   | TRIPPED- STATE |         |
|---------|--------------|------|------------|------|--------------|------------|----------------|---------|
| RATED   | ATED RATINGS |      | RESISTANCE |      |              | POST-TRIP  | POWER          |         |
| CURRENT |              |      | VALUES     |      |              | RESISTANCE | DISSIPATION    |         |
|         |              |      |            |      | STANDARD     |            |                |         |
|         |              |      |            |      |              | TRIP       |                |         |
| AMPERES | AMPERES      |      | OHMS       |      | SECONDS AT   | OHMS       | WATTS          | WATTS   |
| AT 20°C | AT 20°C      |      | AT 20°C    |      | 20°C, 0.5A   | AT 20°C    | AT 20°C        | AT 20°C |
| HOLD    | HOLD         | TRIP | MIN        | MAX  | MAX          | MAX        | NOMINAL        | MAX     |
| 0.10    | 0.10         | 0.20 | 2.50       | 4.50 | 4.0          | 7.5        | 0.38           | 0.53    |

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





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<sup>\*</sup> Halogen Free refers to: Br≤900ppm, Cl≤900ppm, Br+Cl≤1500ppm.