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# PolySwitch® PTC Devices

**Overcurrent Protection Device**

**PRODUCT: RXEF010**

DOCUMENT: SCD25213
REV LETTER: H
REV DATE: JULY 26, 2016


## Specification Status: Released

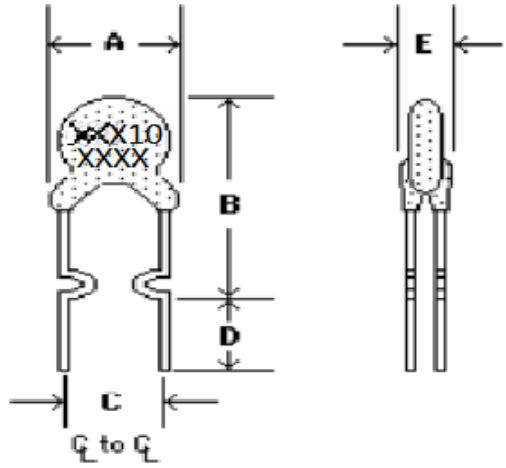
**Electrical Rating**
**Voltage: 60V MAX**
**Current: 40A MAX**

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

**Lead Material:**
**24 AWG Tin Plated Nickel Copper Alloy**

**Marking:**

Manufacturer's Mark
XX X10 And Part Identification
XXXX Lot Identification




Measured at the button of the kink in device lead wires

**TABLE I. DIMENSIONS:**

| | A | | B | | C | | D | | E | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 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) |

*Rounded off approximation

**TABLE II. PERFORMANCE RATINGS:**

| I HOLD RATED CURRENT | CURRENT RATINGS | | INITIAL RESISTANCE VALUES | | TIME TO TRIP | ONE HOUR POST-TRIP RESISTANCE STANDARD TRIP | TRIPPED- STATE POWER DISSIPATION | |
|---|---|---|---|---|---|---|---|---|
| AMPERES AT 20°C HOLD | AMPERES AT 20°C HOLD | TRIP | OHMS AT 20°C MIN | MAX | SECONDS AT 20°C, 0.5A MAX | OHMS AT 20°C MAX | WATTS AT 20°C NOMINAL | WATTS AT 20°C 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** — 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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