# PolySwitch® PTC Devices

**Overcurrent Protection Device**

**PRODUCT: RUSBF075**

DOCUMENT: SCD25241
REV LETTER: F
REV DATE: JULY 26, 2016


## Specification Status: Released

**Electrical Rating**
**Voltage: 6$V_{DC}$ MAX**
**Current: 40A MAX**

Insulating Material:
Cured Flame Retardant Epoxy Polymer meets
UL 94-V-O Requirements

Lead Material:
24 AWG Tin Plated Nickel Copper Alloy

Marking:
Manufacturer's Mark
XX R75 and Part Identification
□□□□ — Lot Identification

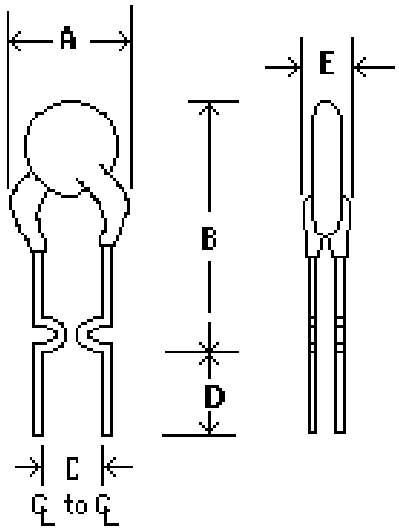


**TABLE I. DIMENSIONS:**

| | A | | B | | C | | D | | E | |
|---|---|---|---|---|---|---|---|---|---|---|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX |
| mm: | -- | 6.9 | -- | 11.4 | 4.3 | 5.9 | 7.6 | -- | -- | 3.1 |
| in*: | -- | (0.27) | -- | (0.45) | (0.17) | (0.23) | (0.30) | -- | -- | (0.12) |

**TABLE II. PERFORMANCE RATINGS:**

| I HOLD RATED CURRENT | CURRENT RATINGS | | INITIAL RESISTANCE VALUES | | | ONE HOUR POST-TRIP RESISTANCE STANDARD TRIP | MAXIMUM TIME TO TRIP @ 8A | TRIPPED -STATE POWER DISSIPATION |
|---|---|---|---|---|---|---|---|---|
| AMPERS AT 20°C | AMPERES AT 20°C | | OHMS AT 20°C | | | OHMS AT 20°C | SECONDS AT 20°C | WATTS AT 20°C |
| HOLD | HOLD | TRIP | MIN | TYP | MAX | MAX | | |
| 0.75 | 0.75 | 1.3 | 0.11 | 0.14 | 0.175 | 0.23 | 0.4 | 0.3 |

Agency Recognition: 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***

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

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