

PolySwitch®
PTC Devices
Overcurrent Protection Device

PRODUCT: RHEF070

DOCUMENT: SCD25203
REV LETTER: F
REV DATE: JANUARY 04, 2013
PAGE NO.: 1 OF 1

Specification Status: Released

Electrical Rating

Voltage: 30V_{DC} MAX

Current: 40A MAX

Insulating Material:

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

Lead Material :

24 AWG Tin Plated Copper Clad Steel

Marking:

— Manufacturer's Mark
XX H0.7 and Part Identification

□□□□ — Lot Identification

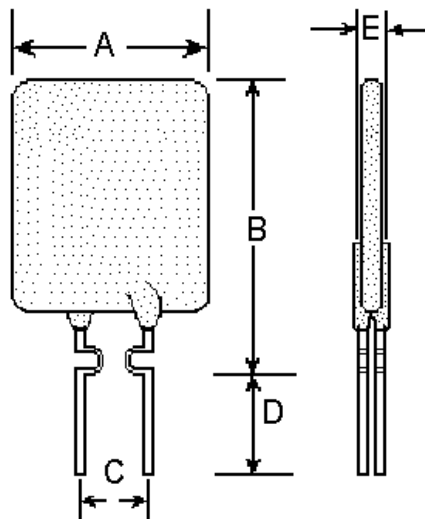


TABLE I. DIMENSIONS:

| | A | | B | | C | | D | | E | |
|------|-----|--------|-----|--------|--------|--------|--------|-----|-----|--------|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX |
| mm: | -- | 6.9 | -- | 10.8 | 4.3 | 5.8 | 7.6 | -- | -- | 3.0 |
| in*: | -- | (0.27) | -- | (0.43) | (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 | R ₁ MAX 1 HR. POST TRIP RESISTANCE STANDARD TRIP | TRIPPED- STATE POWER DISSIPATION |
|----------------------------|-------------------------|-------------------------|---------------------------------|------------------------|----------------------------------|--|---|
| AMPS AT 25°C HOLD | AMPS AT 25°C HOLD | AMPS AT 25°C TRIP | OHMS AT 25°C MIN | OHMS AT 25°C MAX | SECONDS AT 25°C, 3.5 A MAX | OHMS AT 25°C MAX | WATTS AT 25°C TYP |
| 0.70 | 0.70 | 1.40 | 0.30 | 0.54 | 3.2 | 0.8 | 1.4 |

Agency Recognitions:
Reference Documents:
Precedence:
Effectivity:
CAUTION:

UL, CSA, TUV
PS300

This specification takes precedence over documents referenced herein.
Reference documents shall be the issue in effect on the date of invitation for bid.
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
Compliant



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