

Specification Status: Released

Maximum Electrical Rating

Voltage: 60V_{DC}

Short Circuit Current: 10A

Notes:

1. All terminations are tin plated.
2. Drawing not to scale

Marking:

⊗ 050F

PART IDENTIFICATION

MANUFACTURER'S MARK

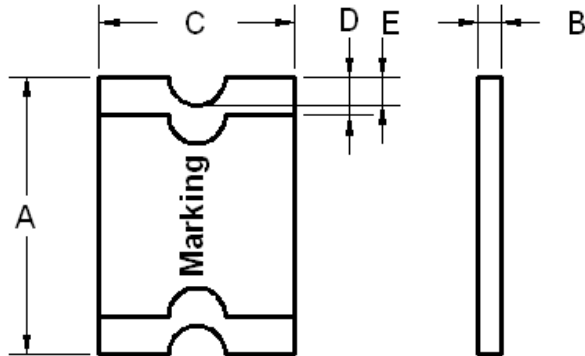


TABLE I. DIMENSIONS:

| | A | | B | | C | | D | | E |
|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN |
| mm: | 7.30 | 7.70 | 0.63 | 0.90 | 4.90 | 5.30 | 0.25 | 0.95 | 0.20 |
| in: | (0.287) | (0.303) | (0.025) | (0.035) | (0.193) | (0.209) | (0.010) | (0.037) | (0.008) |

TABLE II. PERFORMANCE RATINGS:

| CURRENT RATINGS** | | | | | | TIME TO TRIP** | RESISTANCE VALUES | | TRIPPED-STATE POWER DISSIPATION** |
|-------------------|------|-----------------|------|-----------------|------|---------------------------|-------------------|------|-----------------------------------|
| AMPERES AT 0°C | | AMPERES AT 25°C | | AMPERES AT 60°C | | SECONDS AT 25°C, 2.5A MAX | OHMS AT 25°C | | WATTS AT 25°C, 60V MAX |
| HOLD | TRIP | HOLD | TRIP | HOLD | TRIP | | MIN | MAX* | |
| 0.65 | 1.30 | 0.50 | 1.00 | 0.32 | 0.64 | 4.0 | 0.15 | 1.20 | 1.5 |

* Maximum resistance is measured 1 hour after reflow.

** Values Specified were determined using PCB's with 0.070"X1.5 ounce copper traces.

Reference Documents: PS300, PS400

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: Br≤900ppm, Cl≤900ppm, Br+Cl≤1500ppm.



PolySwitch®
PTC Devices
Overcurrent Protection Device

PRODUCT: ASMDC050F

DOCUMENT: SCD29097
REV LETTER: A
REV DATE: SEPTEMBER 26, 2016
PAGE NO.: 2 OF 2

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