

Specification Status: Released

Maximum Electrical Rating

Voltage: 13.2V_{DC}

Short Circuit Current: 40A

Notes:

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

Marking:

 50

PART IDENTIFICATION

MANUFACTURER'S MARK

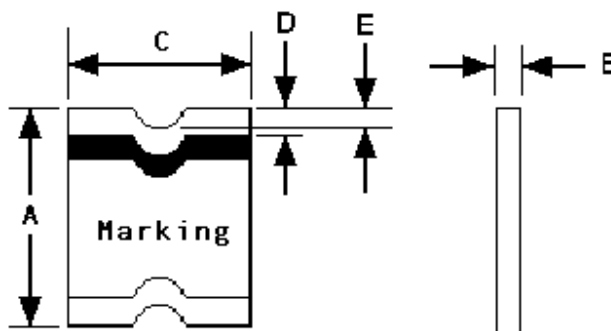


TABLE I. DIMENSIONS:

| | A | | B | | C | | D | | E |
|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN |
| mm: | 3.00 | 3.43 | 0.38 | 0.62 | 2.35 | 2.80 | 0.25 | 0.75 | 0.076 |
| in: | (0.118) | (0.135) | (0.015) | (0.025) | (0.092) | (0.110) | (0.010) | (0.030) | (0.003) |

TABLE II. PERFORMANCE RATINGS:

| CURRENT RATINGS** | | | | | | TIME TO TRIP** | RESISTANCE VALUES | | TRIPPED-STATE POWER DISSIPATION** |
|-------------------|------|-----------------|------|-----------------|------|-------------------------|-------------------|------|-----------------------------------|
| AMPERES AT 0°C | | AMPERES AT 20°C | | AMPERES AT 60°C | | SECONDS AT 20°C, 8A MAX | OHMS AT 20°C | | WATTS AT 20°C, 13.2V MAX |
| HOLD | TRIP | HOLD | TRIP | HOLD | TRIP | | MIN | MAX* | |
| 0.58 | 1.16 | 0.50 | 1.00 | 0.35 | 0.70 | 0.05 | 0.25 | 0.90 | 0.8 |

* Maximum resistance is measured 1 hour after reflow.

** Values specified were determined using PCB's with 0.030"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: MICROASMD050F

DOCUMENT: SCD29089

REV LETTER: A

REV DATE: SEPTEMBER 26, 2016

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