

## PolySwitch® PTC Devices

**Overcurrent Protection Device** 

#### PRODUCT: MINIASMDC075F

DOCUMENT: SCD29090 REV LETTER: A REV DATE: SEPTEMBER 26, 2016 PAGE NO.: 1 OF 2

# **Specification Status: Released**

**Maximum Electrical Rating** Voltage: 13.2V<sub>DC</sub> D Ε Short Circuit Current: 100A С - B Notes: 1. All terminations are tin plated. 2. Drawing not to scale Marking: А Marking PART IDENTIFICATION MANUFACTURER'S MARK TABLE I. DIMENSIONS: В С D E MIN MIN MAX MAX MIN MAX MIN MAX MIN 4.73 0.38 0.62 3.07 3.41 0.25 0.95 0.20 mm: 4.37 (0.015) (0.025) (0.121) (0.134) (0.010) (0.040) (0.172) (0.186) (0.008) in: **TABLE II. PERFORMANCE RATINGS: CURRENT RATINGS \*\*** TIME TO RESISTANCE TRIPPED-STATE TRIP \*\* VALUES POWER **DISSIPATION\*\*** AMPERES SECONDS AMPERES AMPERES OHMS WATTS AT AT 20°C AT 60°C AT 20°C, 8A AT 0°C AT 20°C 20°C, 13.2V HOLD TRIP HOLD TRIP HOLD TRIP MAX MAX\* MAX MIN 0.45 0.87 1.74 0.75 1.50 0.49 0.98 0.11 0.2 1.0

\* 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, PS400Precedence: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**



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



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