

Specification Status: Released

Maximum Electrical Rating

Voltage: 13.2V_{DC}

Short Circuit Current: 100A

Notes:

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

Marking:

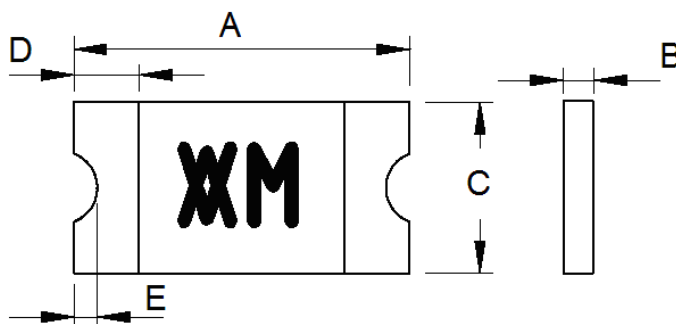
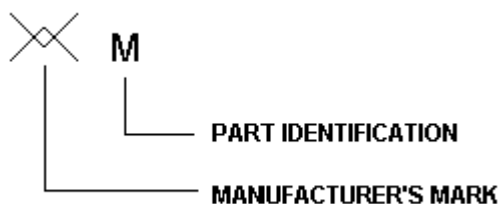


TABLE I. DIMENSIONS:

| | A | | B | | C | | D | | E |
|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN |
| mm: | 3.00 | 3.40 | 0.50 | 0.74 | 1.37 | 1.80 | 0.25 | 0.75 | 0.076 |
| in: | (0.118) | (0.134) | (0.019) | (0.029) | (0.054) | (0.071) | (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 25°C | | AMPERES AT 60°C | | SECONDS AT 25°C, 8.0A MAX | OHMS AT 25°C | | WATTS AT 25°C, 13.2V MAX |
| HOLD | TRIP | HOLD | TRIP | HOLD | TRIP | | MIN | MAX* | |
| 0.61 | 1.24 | 0.50 | 1.10 | 0.35 | 0.75 | 0.1 | 0.20 | 0.75 | 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.

Agency Recognitions: UL, CSA, TÜV

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 flam

Materials Information

ROHS Compliant

Directive 2000/53/EC
Compliant

ELV Compliant

Directive 2002/95/EC
Compliant

Pb-Free



Halogen Free*



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



Expertise Applied | Answers Delivered

PolySwitch®
PTC Devices
Overcurrent Protection Device

PRODUCT: nanoSMDC050F/13.2

DOCUMENT: SCD25269
REV LETTER: J
REV DATE: JULY 26, 2016
PAGE NO.: 2 OF 2

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