

Specification Status: Released

Maximum Electrical Rating

Voltage: 30V_{DC}
Short Circuit Current: 10A

Notes:

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

Marking:

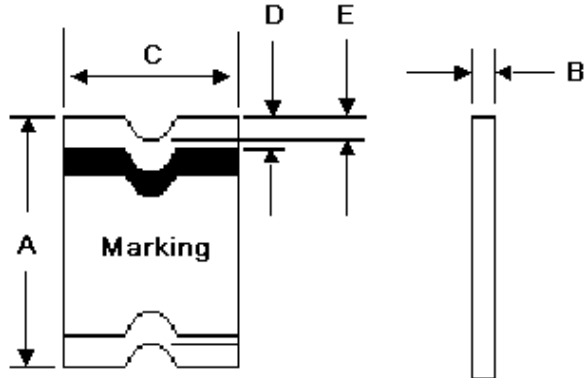
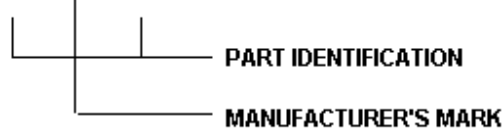


TABLE I. DIMENSIONS:

| | A | | B | | C | | D | | E |
|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| mm: | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN |
| in: | 4.37 | 4.73 | 0.635 | 0.89 | 3.07 | 3.41 | 0.25 | 0.95 | 0.20 |
| | (0.172) | (0.186) | (0.025) | (0.035) | (0.121) | (0.134) | (0.010) | (0.040) | (0.008) |

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, 30V MAX |
| HOLD | TRIP | HOLD | TRIP | HOLD | TRIP | | MIN | MAX* | |
| 0.23 | 0.46 | 0.20 | 0.40 | 0.13 | 0.26 | 0.02 | 0.60 | 3.30 | 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 Recognition: UL, CSA, TÜV
Reference Document: 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 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: miniSMDC020F

DOCUMENT: SCD25272
REV LETTER: I
REV DATE: JULY 26, 2016
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