

Specification Status: Released

Maximum Electrical Rating

Voltage: 8V_{DC}
Short Circuit Current: 100A

Notes:

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

Marking:

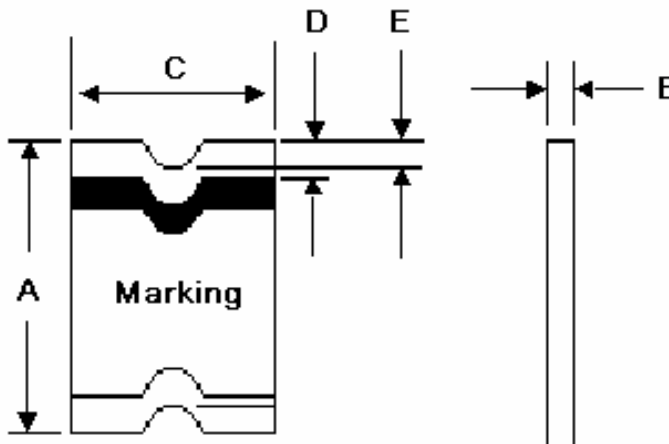
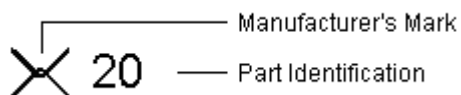


TABLE I. DIMENSIONS:

| | A | | B | | C | | D | | E |
|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN |
| mm: | 4.37 | 4.73 | 0.51 | 1.22 | 3.07 | 3.41 | 0.25 | 0.95 | 0.20 |
| in: | (0.172) | (0.186) | (0.020) | (0.048) | (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 | OHMS AT 20°C | | WATTS AT 20°C, 8V |
| HOLD | TRIP | HOLD | TRIP | HOLD TRIP | MAX | MIN | MAX* | MAX |
| 2.22 | 4.44 | 2.00 | 4.00 | 1.50 3.00 | 5 | 0.020 | 0.070 | 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.
 Agency Recognition: 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 flame.

Materials Information

ROHS Compliant (Directive 2002/95/EC Compliant)
 ELV Compliant (Directive 2000/53/EC Compliant)
 Pb-Free (Pb symbol)
 Halogen Free* (HF symbol)

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



PolySwitch®
PTC Devices
Overcurrent Protection Device

PRODUCT: miniSMDC200F

DOCUMENT: SCD25274
REV LETTER: J
REV DATE: JULY 26, 2016
PAGE NO.: 2 OF 2

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