

Specification Status: Released

Maximum Electrical Rating

Voltage: 16V_{DC}
Short Circuit Current: 100A

Notes:

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

Marking:

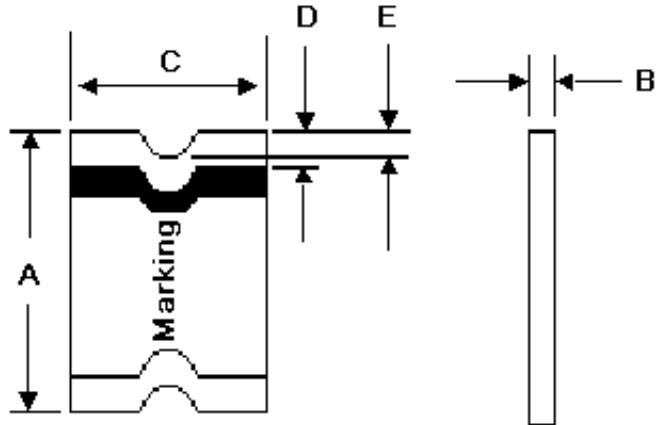
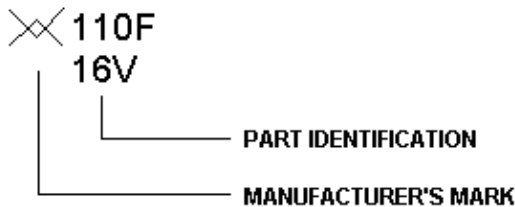


TABLE I. DIMENSIONS:

| | A | | B | | C | | D | | E |
|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN |
| mm: | 4.37 | 4.83 | 0.28 | 0.48 | 3.07 | 3.41 | 0.25 | 0.95 | 0.20 |
| in: | (0.172) | (0.190) | (0.011) | (0.019) | (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, 8.0A | OHMS AT 20°C | | WATTS AT 20°C, 16V |
| HOLD | TRIP | HOLD | TRIP | HOLD | TRIP | MAX | MIN | MAX* | MAX |
| 1.3 | 2.5 | 1.1 | 2.2 | 0.75 | 1.4 | 0.3 | 0.06 | 0.18 | 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: miniSMDC110F/16

DOCUMENT: SCD25306
REV LETTER: L
REV DATE: JULY 26, 2016
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