

Specification Status: Released

Maximum Electrical Rating

Voltage: 9.0V_{DC}

Short Circuit Current: 40A

Notes:

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

Marking: E

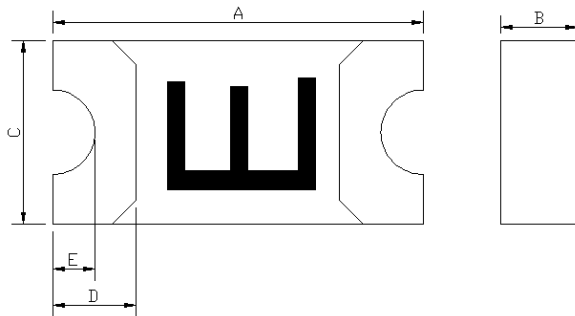


TABLE I. DIMENSIONS:

| | A | | B | | C | | D | | E |
|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN |
| mm: | 1.40 | 1.80 | 0.35 | 0.75 | 0.60 | 1.00 | 0.10 | 0.50 | 0.075 |
| in: | (0.055) | (0.071) | (0.013) | (0.030) | (0.023) | (0.039) | (0.004) | (0.020) | (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 | | AMPERES AT 85°C | | SECONDS AT 25°C, 1.0A MAX | OHMS AT 25°C | WATTS AT 25°C, 9.0V MAX | |
| HOLD | TRIP | HOLD | TRIP | HOLD | TRIP | HOLD | TRIP | | MIN | MAX* | |
| 0.18 | 0.45 | 0.16 | 0.40 | 0.11 | 0.28 | 0.07 | 0.17 | 0.1 | 1.00 | 4.20 | 0.5 |

* Maximum resistance is measured 1 hour after reflow.

** Values specified were determined using PCB's with 0.030"x1.0 ounce copper traces.

Agency Recognition: UL, CSA

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: femtoSMDC016F

DOCUMENT: SCD27724
REV LETTER: B
REV DATE: JULY 26, 2016
PAGE NO.: 2 OF 2

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