

Specification Status: Released

Maximum Electrical Rating

Voltage: 15.0V_{DC}

Short Circuit Current: 100A

Notes:

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

Marking: C

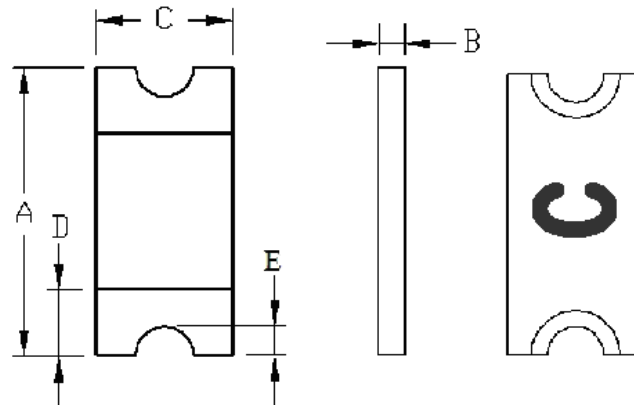


TABLE I. DIMENSIONS:

| | A | | B | | C | | D | | E |
|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN |
| mm: | 2.00 | 2.20 | 0.60 | 1.00 | 1.30 | 1.50 | 0.25 | 0.75 | 0.076 |
| in: | (0.079) | (0.087) | (0.023) | (0.040) | (0.051) | (0.059) | (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, 0.5A MAX | OHMS AT 25°C | | WATTS AT 25°C, 15.0V MAX |
| HOLD | TRIP | HOLD | TRIP | HOLD | TRIP | | MIN | MAX* | |
| 0.13 | 0.36 | 0.10 | 0.30 | 0.07 | 0.21 | 0.6 | 1.5 | 11.0 | 0.5 |

* Maximum resistance is measured 1 hour after reflow.

** Values specified were determined using PCB's with 0.020"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: picoSMDC010S

DOCUMENT: SCD27972
REV LETTER: D
REV DATE: JULY 26, 2016
PAGE NO.: 2 OF 2

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