

## Specification Status: Released

### Maximum Electrical Rating

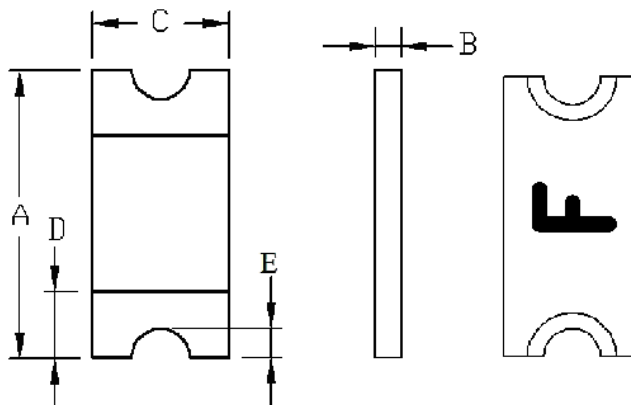
Voltage: 15.0V<sub>DC</sub>

Short Circuit Current: 100A

#### Notes:

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

Marking: F



**TABLE I. DIMENSIONS:**

|     | A       |         | B       |         | C       |         | D       |         | E       |
|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|     | MIN     | MAX     | MIN     | MAX     | MIN     | MAX     | MIN     | MAX     | MIN     |
| mm: | 2.00    | 2.20    | 0.44    | 0.68    | 1.30    | 1.50    | 0.25    | 0.75    | 0.076   |
| in: | (0.079) | (0.087) | (0.017) | (0.027) | (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, 1A MAX | OHMS AT 25°C      |      | WATTS AT 25°C, 15.0V MAX          |
| HOLD              | TRIP | HOLD            | TRIP | HOLD            | TRIP |                         | MIN               | MAX* |                                   |
| 0.15              | 0.36 | 0.12            | 0.30 | 0.08            | 0.21 | 0.1                     | 1.50              | 9.00 | 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

ELV Compliant

Pb-Free

Halogen Free\*

Directive 2002/95/EC  
Compliant

Directive 2000/53/EC  
Compliant



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



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**PRODUCT: picoSMDC012S**

DOCUMENT: SCD27915  
REV LETTER: D  
REV DATE: JULY 26, 2016  
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