

## Specification Status: Released

### Maximum Electrical Ratings

Operating Voltage / Interrupt Current

30V<sub>DC</sub> / 40A

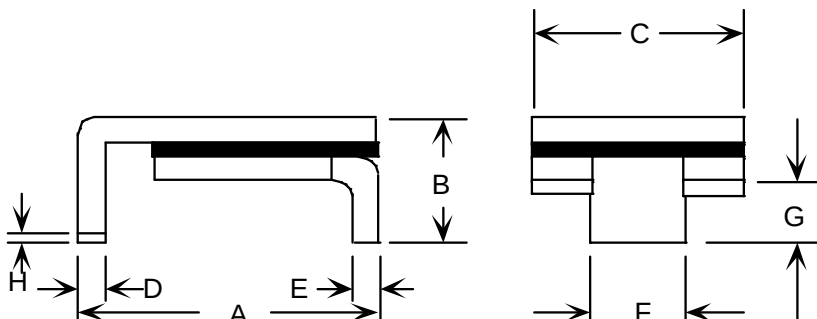
12V<sub>DC</sub> / 60A

5V<sub>DC</sub> / 125A

Marking:

 **100F** – Part Identification  
— Manufacturer's Mark

□□□□ – Lot Identification



Notes:

1. All metal surfaces are tin plated.
2. Devices cannot be wave soldered.
3. Drawing not to scale.

**TABLE I. DIMENSIONS:**

|      | A       |        | B   |         | C      |        | D       |         | E       |         | F       |         | G      |        | H       |
|------|---------|--------|-----|---------|--------|--------|---------|---------|---------|---------|---------|---------|--------|--------|---------|
|      | MIN     | MAX    | MIN | MAX     | MIN    | MAX    | MIN     | MAX     | MIN     | MAX     | MIN     | MAX     | MIN    | MAX    | MIN     |
| mm:  | 6.7     | 7.9    | --  | 3.0     | 4.8    | 5.4    | 0.5     | 0.8     | 0.5     | 0.8     | 2.1     | 2.5     | 0.7    | 1.3    | 0.4     |
| in*: | (0.265) | (0.31) | --  | (0.118) | (0.19) | (0.21) | (0.022) | (0.028) | (0.022) | (0.028) | (0.085) | (0.095) | (0.03) | (0.05) | (0.017) |

**TABLE II. PERFORMANCE RATINGS:**

| CURRENT RATINGS** |      |              |      |              |      | TIME TO TRIP**            | RESISTANCE VALUES |      | TRIPPED-STATE POWER DISSIPATION** |
|-------------------|------|--------------|------|--------------|------|---------------------------|-------------------|------|-----------------------------------|
| AMPS AT 0°C       |      | AMPS AT 20°C |      | AMPS AT 60°C |      | SECONDS AT 25°C, 4.5A MAX | OHMS AT 25°C      |      | WATTS AT 25°C TYP.                |
| HOLD              | TRIP | HOLD         | TRIP | HOLD         | TRIP |                           | MIN               | MAX* |                                   |
| 1.06              | 2.54 | 0.90         | 2.16 | 0.60         | 1.44 | 20                        | 0.098             | 0.48 | 1.1                               |

\* Maximum resistance is measured 1 hour after reflow.

\*\* Values specified were determined using PCB's with 0.070"X1.5-ounce copper traces.

Reference Documents

:PS300, PS400

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: ASMD100F**

DOCUMENT: SCD26569  
REV LETTER: E  
REV DATE: JULY 26, 2016  
PAGE NO.: 2 OF 2

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