

Specification Status: Released

Maximum Electrical Ratings


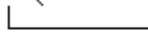
Operating Voltage / Interrupt Current

30V_{DC} / 40A

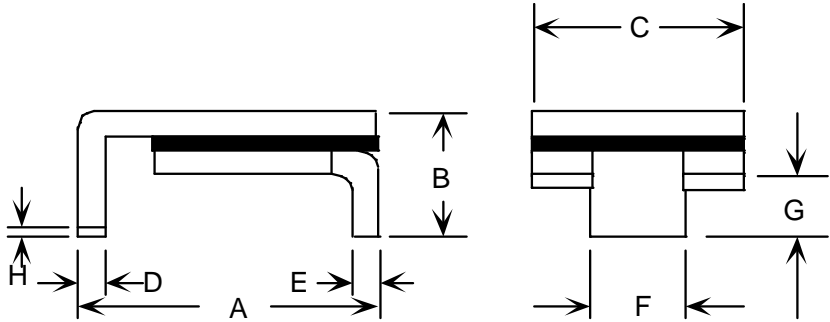
12V_{DC} / 60A

5V_{DC} / 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

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