

## Specification Status: RELEASED

### Maximum Electrical Rating

**Voltage: 15Vdc MAX**

**Current: 100A MAX**

Chip Size: 5.0x12.0mm

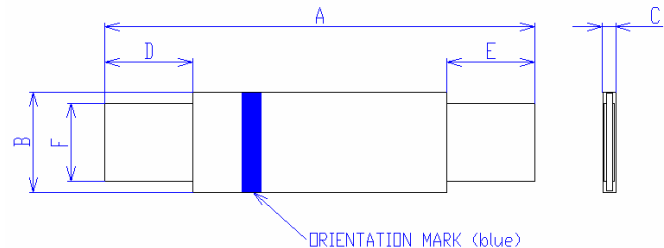
Leads: Nickel 1/4H  
0.125mm nominal thickness

Tape: Polyester (White)  
13mm nominal width

Solder: Lead-free

Marking(Color: Green):

— Manufacturer's Mark  
X 175 — Part Identification  
□ □ □ □ — Lot Identification



**TABLE I. DIMENSIONS:**

|      | A      |        | B      |        | C      |        | D      |        | E      |        | F      |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|      | MIN    | MAX    | MIN    | MAX    | MIN    | MAX    | MIN    | MAX    | MIN    | MAX    | MIN    | MAX    |
| mm:  | 20.9   | 23.1   | 4.9    | 5.2    | 0.6    | 1.0    | 4.1    | 5.5    | 4.1    | 5.5    | 3.9    | 4.1    |
| in*: | (0.82) | (0.91) | (0.19) | (0.20) | (0.02) | (0.04) | (0.16) | (0.22) | (0.16) | (0.22) | (0.15) | (0.16) |

\*Rounded off approximation

**TABLE II. PERFORMANCE RATINGS: As measured in Mueller Kelvin Clips model BU-75K.**

| CURRENT TRIP LIMITS |             |      |              |      |              |      |              |      | TIME TO TRIP            | REFERENCE RESISTANCE | ONE-HOUR POST-TRIP RESISTANCE | TRIPPED-STATE POWER DISSIPATION |
|---------------------|-------------|------|--------------|------|--------------|------|--------------|------|-------------------------|----------------------|-------------------------------|---------------------------------|
| AMPS 20°C           | AMPS AT 0°C |      | AMPS AT 20°C |      | AMPS AT 60°C |      | AMPS AT 85°C |      | SECONDS AT 20°C, 8.75 A | OHMS AT 20°C         | OHMS AT 20°C                  | WATTS AT 20°C, 15V              |
| HOLD                | HOLD        | TRIP | HOLD         | TRIP | HOLD         | TRIP | HOLD         | TRIP | TYP   MAX               | MIN   MAX            | MIN   MAX                     | MAX                             |
| 1.75                | 2.0         | 4.4  | 1.75         | 3.8  | 1.2          | 2.7  | 0.9          | ---  | ---                     | 0.050   0.090        | 0.050   0.120                 | 1.5                             |

Agency Recognitions:

UL, TUV, CSA

Reference Documents:

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**

Directive 2002/95/EC  
Compliant

Directive 2000/53/EC  
Compliant



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