

Specification Status: Released

Maximum Electrical Rating

Operating Voltage: 20Vdc

Interrupt Current: 100A

Chip Size: 8 x 33mm

Leads: Nickel 1/2H
0.3mm nominal thickness

Tape: Polyester (White)
35 mm nominal width

Solder: Lead-free

Marking (Color: Green) :

— Manufacturer's Mark

XX E90 — Part Identification

□□□□ — Lot Identification

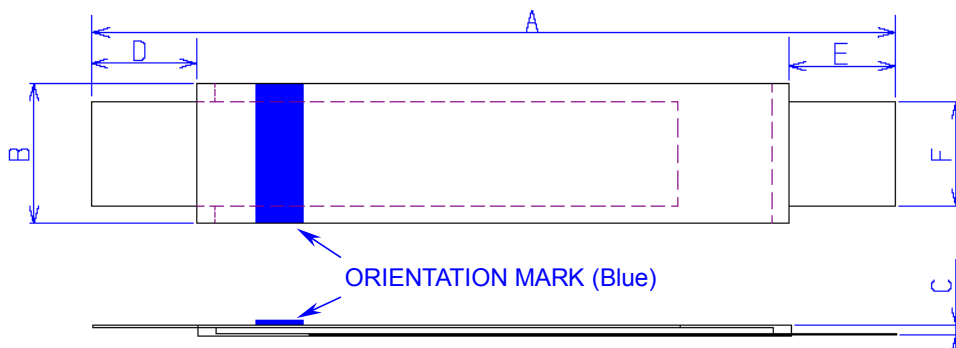


TABLE I. DIMENSIONS:

| | A | | B | | C | | D | | E | | F | |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX |
| Mm: | 45.4 | 47.6 | 7.9 | 8.5 | 0.9 | 1.3 | 4.6 | 6.2 | 4.6 | 6.2 | 5.9 | 6.1 |
| In*: | (1.79) | (1.87) | (0.31) | (0.33) | (0.04) | (0.05) | (0.18) | (0.24) | (0.18) | (0.24) | (0.23) | (0.24) |

*Rounded off approximation

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

| I HOLD | CURRENT TRIP LIMITS | | | | | | | | TIME TO TRIP | REFERENCE RESISTANCE | ONE-HOUR POST-TRIP RESISTANCE | | TRIPPED-STATE POWER DISSIPATION | |
|--------|---------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------------------|-------------------------------|----------------------|---------------------------------|-----|
| | AMPS 20°C HOLD | AMPS AT 0°C HOLD | AMPS AT 20°C TRIP | AMPS AT 20°C HOLD | AMPS AT 20°C TRIP | AMPS AT 60°C HOLD | AMPS AT 60°C TRIP | AMPS AT 70°C HOLD | AMPS AT 70°C TRIP | | | | | |
| | 9.0 | 10.0 | 18.7 | 9.0 | 16.7 | 6.2 | 11.6 | 5.5 | 10.3 | SECONDS AT 20°C, 45.0A MIN MAX | OHMS AT 20°C MIN MAX | OHMS AT 20°C MIN MAX | WATTS AT 20°C, 20V MAX | 3.8 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | 5 | 0.006 0.010 | 0.006 0.014 | --- | --- |

Agency Recognitions:

Reference Documents:

Precedence:

Effectivity:

CAUTION:

Materials Information:

ROHS Compliant

UL, TUV, CSA

PS300

This specification takes precedence over documents referenced herein.

Reference documents shall be the issue in effect on the date of invitation for bid.

Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame.

ELV Compliant

Pb-Free

Directive 2002/95/EC
Compliant

Directive 2000/53/EC
Compliant

