

**Specification Status: Released**

**Electrical Rating**  
**Voltage: 15V MAX**  
**Current: 100A MAX**

Chip Size: 5x7mm

Leads: Nickel 1/4H  
 0.125mm nominal thickness

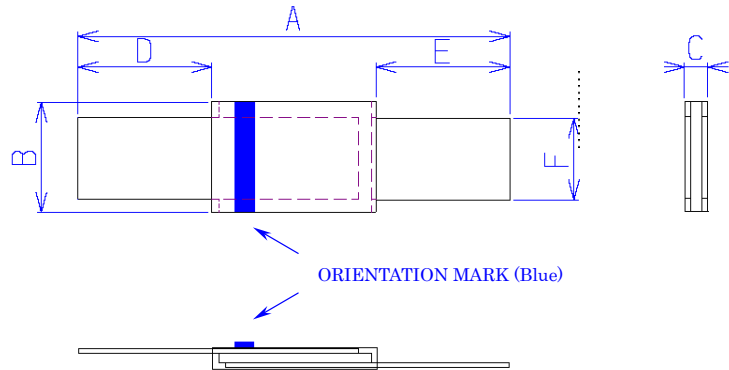
Type: Polyester(White)  
 8mm Width

Solder: Lead-free

Lot Marking Ink Color (Green)

Marking:

- Manufacturer's Mark
- XX 120 — 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:  | 19.9   | 22.1   | 4.9    | 5.2    | 0.6    | 1.0    | 5.5    | 7.5    | 5.5    | 7.5    | 3.9    | 4.1    |
| in*: | (0.78) | (0.87) | (0.19) | (0.20) | (0.02) | (0.04) | (0.22) | (0.30) | (0.22) | (0.30) | (0.15) | (0.16) |

\*Rounded off approximation

**TABLE II. PERFORMANCE RATINGS: As measured in Muller 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 AT 0°C HOLD    |     | AMPS AT 20°C HOLD |     | AMPS AT 60°C HOLD |     | SECONDS AT 20°C, 6.0A TYP |   | OHMS AT 20°C MIN     |       | OHMS AT 20°C MIN              |       | WATTS AT 20°C, 15V TYP          |     |
|        | 1.5                 | 3.1 | 1.2               | 2.7 | 0.8               | 1.8 | --                        | 5 | 0.085                | 0.160 | 0.085                         | 0.220 | --                              | 1.2 |
| 1.2    |                     |     |                   |     |                   |     |                           |   |                      |       |                               |       |                                 |     |

Agency Recognition: UL, TUV, CSA  
 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**  
 Directive 2002/95/EC Compliant

**ELV Compliant**  
 Directive 2000/53/EC Compliant

**Pb-Free**



Expertise Applied | Answers Delivered

# PolySwitch® PTC Devices

Overcurrent Protection Device

**PRODUCT: SRP120F**

DOCUMENT: SCD25907  
REV LETTER: E  
REV DATE: JULY 26, 2016  
PAGE NO.: 2 OF 2

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