

**Tyco / Electronics**  
**Raychem Circuit Protection**  
 308 Constitution Drive  
 Menlo Park, CA 94025-1164  
 Phone: 800-227-4856  
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**PolySwitch®**  
**PTC Devices**  
 Overcurrent Protection Device

**PRODUCT: SRP120**

DOCUMENT: SCD 22673  
 PCN: 557983  
 REV LETTER: I  
 REV DATE: SEPTEMBER 6, 2002  
 PAGE NO.: 1 OF 1

**Specification Status: Released**

**Electrical Rating**

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

**Leads:**

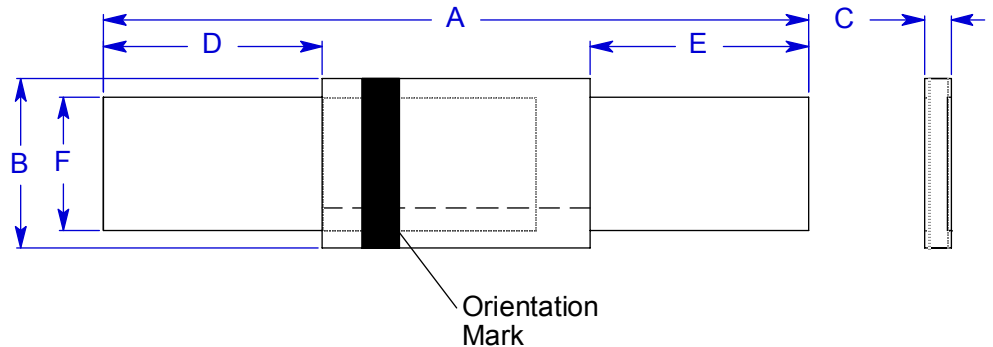
Nickel: 0.125 mm Nominal Thickness

**Tape:**

Polyester

**Marking:**

- Manufacturer's Mark
- ⊗ 120 — Part Identification
- □ □ □ — Lot Identification



**TABLE I. DIMENSIONS:**

|      | A      |        | B      |        | C      |        | D      |        | E      |        | F      |        | G   |     |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|-----|
|      | MIN    | MAX    | 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:**

| I HOLD | CURRENT TRIP LIMITS |      |              |      |              |      |              |      | TIME TO TRIP               | REFERENCE RESISTANCE |       | ONE-HOUR POST-TRIP RESISTANCE |       | TRIPPED-STATE POWER DISSIPATION |
|--------|---------------------|------|--------------|------|--------------|------|--------------|------|----------------------------|----------------------|-------|-------------------------------|-------|---------------------------------|
|        | AMPS AT 0°C         |      | AMPS AT 20°C |      | AMPS AT 60°C |      | AMPS AT 80°C |      |                            | OHMS AT 20°C         |       | OHMS AT 20°C                  |       |                                 |
| HOLD   | HOLD                | TRIP | HOLD         | TRIP | HOLD         | TRIP | HOLD         | TRIP | SECONDS AT 20°C, 6.0 A MAX | MIN                  | MAX   | MIN                           | MAX   |                                 |
| 1.2    | 1.5                 | 3.1  | 1.2          | 2.7  | 0.8          | 1.8  | --           | --   | 5                          | 0.085                | 0.160 | 0.085                         | 0.220 | 1.2                             |

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.