Littelfuse
Expertise Applied | Answers Delivered

# PolySwitch® PTC Devices

**Overcurrent Protection Device**

**PRODUCT: SRP200F**

DOCUMENT: SCD25487
PCN: D83524
REV LETTER: D
REV DATE: JULY 26, 2016


## Specification Status: Released

### Maximum Electrical Rating

**Voltage: 30Vdc MAX**
**Current: 100A MAX**

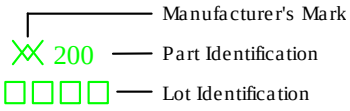
Chip Size: 10.5x8.2mm

Leads: Nickel 1/4H
0.125mm nominal thickness

Tape: Polyester (White)
10.2mm nominal width

Solder: Lead-free

Marking (Color: Green):



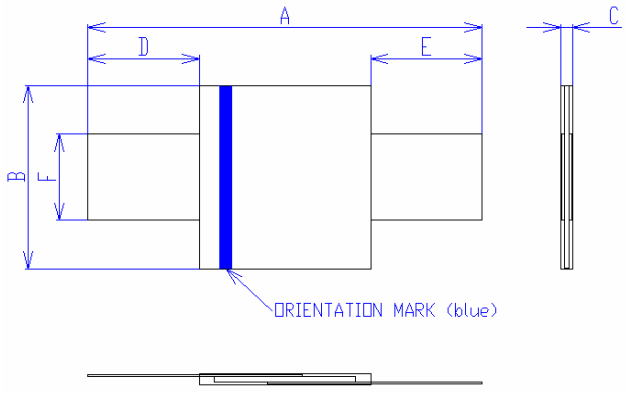




**TABLE I. DIMENSIONS:**

| | A | | B | | C | | D | | E | | F | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX |
| mm: | 21.3 | 23.4 | 10.2 | 11.0 | 0.5 | 1.1 | 5.0 | 7.6 | 5.0 | 7.6 | 4.8 | 5.4 |
| in*: | (0.84) | (0.92) | (0.40) | (0.43) | (0.02) | (0.04) | (0.20) | (0.30) | (0.20) | (0.30) | (0.19) | (0.21) |

*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 | AMPS AT 0°C | | AMPS AT 20°C | | AMPS AT 60°C | | AMPS AT 80°C | | SECONDS AT 20°C, 10 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 | TYP | MAX |
| 2.0 | 2.5 | 5.1 | 2.0 | 4.4 | 1.4 | 3.0 | | --- | 1.8 | 4.0 | 0.030 | 0.060 | 0.030 | 0.100 | 1.6 | 1.9 |

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** — Directive 2002/95/EC Compliant

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

**Pb-Free**

© 2016 Littelfuse,Inc
Specifications are subject to change without notice.
Revised July 26,2016

Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability of and test each product selected for their own applications. Littelfuse products are not designed for, and shall not be used for, any purpose (including, without limitation, military, aerospace, medical, lifesaving, life-sustaining or nuclear facility applications, devices intended for surgical implant into the body, or any other application in which the failure or lack of desired operation of the product may result in personal injury, death, or property damage) other than those expressly set forth in applicable Littelfuse product documentation. Warranties granted by Littelfuse shall be deemed void for products used for any purpose not expressly set forth in applicable Littelfuse documentation. Littelfuse shall not be liable for any claims or damages arising out of products used in applications not expressly intended by Littelfuse as set forth in applicable Littelfuse documentation. The sale and use of Littelfuse products is subject to Littelfuse Terms and Conditions of Sale, unless otherwise agreed by Littelfuse.

© 2016 Littelfuse,Inc
Specifications are subject to change without notice.
Revised July 26,2016