

Specification Status: Released

Electrical Rating

Voltage: 30V MAX
Current: 100A MAX

Chip Size: 13.1x15.9mm

Leads: Nickel 1/4H
 0.125mm nominal thickness

Tape: Polyester(White)
 19.5mm Width

Solder: Lead-free

Lot Marking Ink Color (Green)

Marking:

- Manufacturer's Mark
- XX 420 — Part Identification
- □ □ □ — Lot Identification

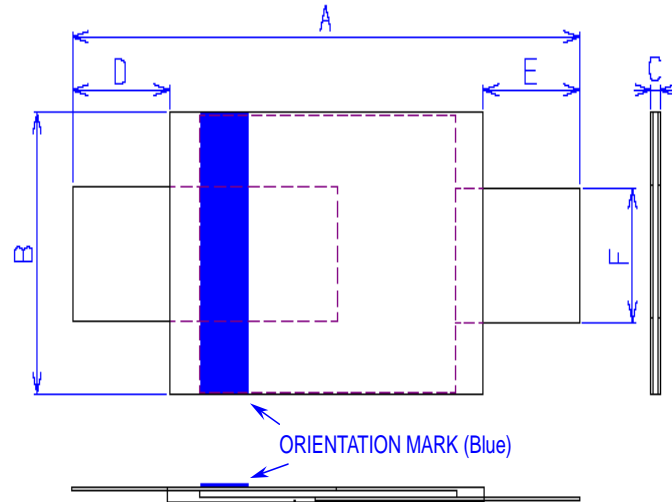


TABLE I. DIMENSIONS:

| | A | | B | | C | | D | | E | | F | |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX |
| mm: | 30.6 | 32.4 | 12.9 | 13.6 | 0.5 | 1.1 | 5.0 | 7.5 | 5.0 | 7.5 | 6.0 | 6.7 |
| in*: | (1.20) | (1.28) | (0.51) | (0.54) | (0.02) | (0.04) | (0.20) | (0.30) | (0.20) | (0.30) | (0.24) | (0.26) |

*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 TRIP | | AMPS AT 60°C HOLD TRIP | | SECONDS AT 20°C, 20.0A TYP MAX | | OHMS AT 20°C MIN MAX | | OHMS AT 20°C MIN TYP | | WATTS AT 20°C, 30V TYP MAX | |
| 4.2 | 5.1 | 9.5 | 4.2 | 7.6 | 3.0 | 5.5 | -- | 6 | 0.012 | 0.024 | 0.012 | 0.040 | -- | 2.9 |

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: SRP420F

DOCUMENT: SCD25985
REV LETTER: E
REV DATE: JULY 26, 2016
PAGE NO.: 2 OF 2

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