

**Specification Status: Released**

**Electrical Rating**

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

Chip Size: 13.1x15.9mm

Leads: Nickel 1/4H  
 0.125mm nominal thickness

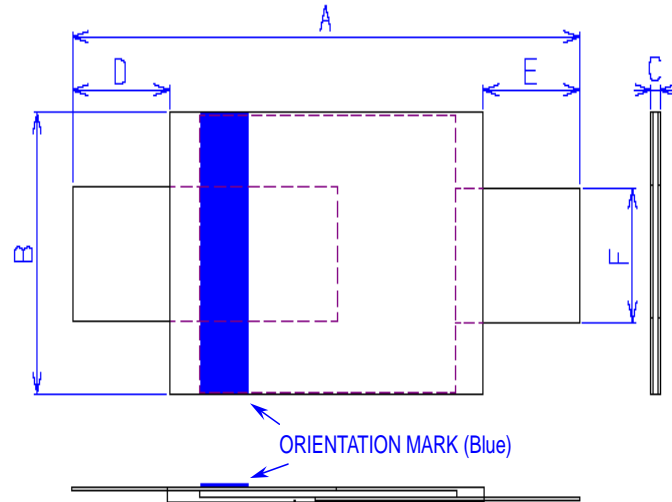
Tape: Polyester(White)  
 19.5mm Width

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**





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# 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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