

**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: SRP420**

DOCUMENT: SCD 21792  
 PCN: 609666  
 REV LETTER: G  
 REV DATE: JULY 25, 2002  
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**Specification Status: RELEASED**

**Electrical Rating**

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

**Leads:**

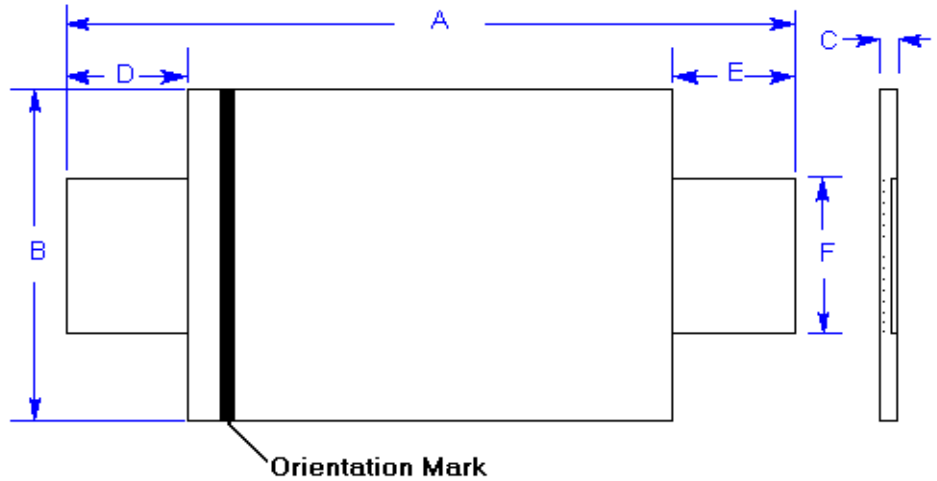
Nickel: 0.125 mm Nominal Thickness

**Tape:**

Polyester

**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:**

I HOLD	CURRENT TRIP LIMITS								TIME TO TRIP		REFERENCE RESISTANCE		ONE-HOUR POST-TRIP RESISTANCE		TRIPPED-STATE POWER DISSIPATION		
	AMPS 20°C HOLD		AMPS AT 0°C HOLD   TRIP		AMPS AT 20°C HOLD   TRIP		AMPS AT 60°C HOLD   TRIP		AMPS AT 80°C HOLD   TRIP		SECONDS AT 20°C, 20 A TYP   MAX		OHMS AT 20°C MIN   MAX		OHMS AT 20°C MIN   MAX		WATTS AT 20°C, 15V TYP   MAX
4.2	5.1	9.5	4.2	7.6	3.0	5.5	--	--	2.6	6.0	0.012	0.024	0.012	0.040	2.2	2.9	

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.