

Tyco / Electronics
Raychem Circuit Protection
 308 Constitution Drive
 Menlo Park, CA 94025-1164
 Phone: 800-227-4856
 Fax: 800-227-4866

PolySwitch®
PTC Devices
 Overcurrent Protection Device

PRODUCT: SRP420F

DOCUMENT: SCD 25985
 PCN: A75031
 REV LETTER: A
 REV DATE: DECEMBER 14, 2004
 PAGE NO.: 1 OF 1

Specification Status: Released

Electrical Rating

Voltage: 30V MAX
Current: 100A MAX

Chip Size: 13.1 X 15.9mm

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

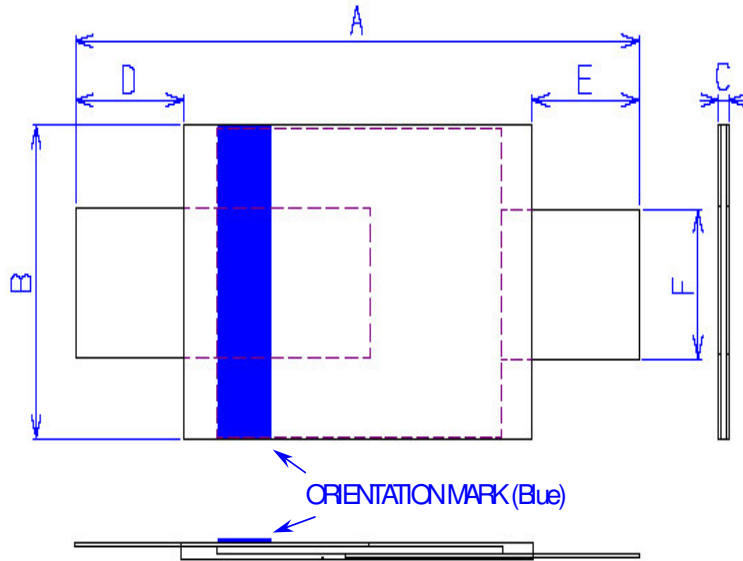


TABLE I. DIMENSIONS:

	A		B		C		D		E		F		G	
	MIN	MAX	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 20°C HOLD	AMPS AT 0°C HOLD	AMPS AT 20°C TRIP	AMPS AT 60°C HOLD	AMPS AT 60°C TRIP	AMPS AT -°C HOLD	AMPS AT -°C TRIP	SECONDS AT 20°C, 20.0A TYP	SECONDS AT 20°C, 20.0A MAX	OHMS AT 20°C MIN	OHMS AT 20°C MAX	OHMS AT 20°C MIN	OHMS AT 20°C TYP	WATTS AT 20°C, 30V TYP	WATTS AT 20°C, 30V 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 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