

Tyco / Electronics
Raychem Circuit Protection
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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

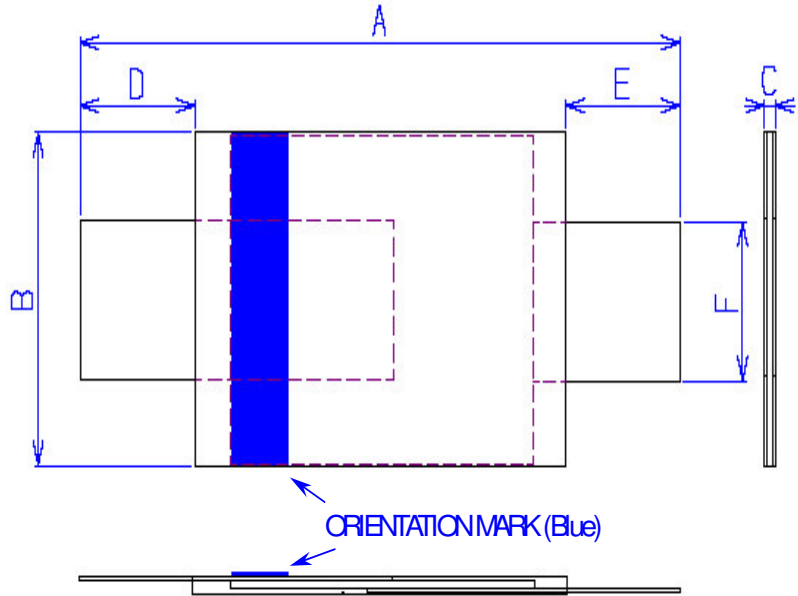


TABLE I. DIMENSIONS:

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