

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
 X 420 — Part Identification
 □ □ □ □ — Lot Identification

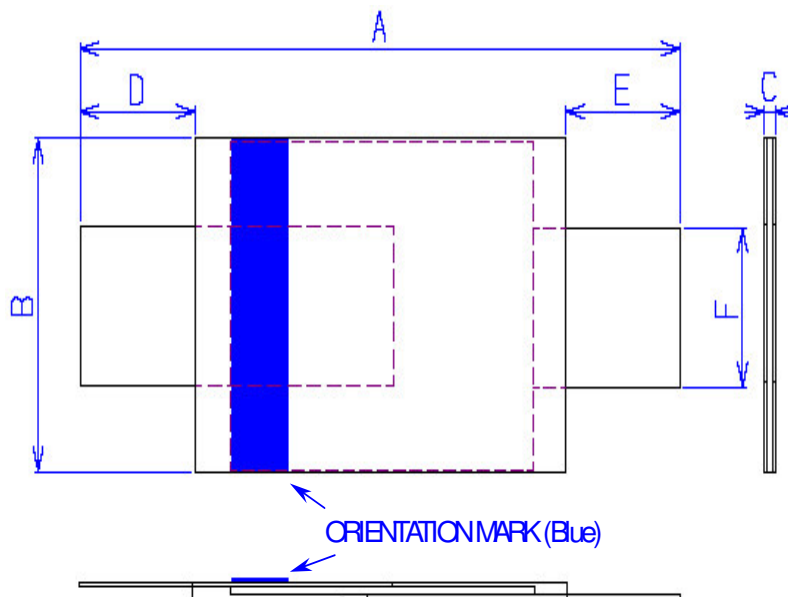


TABLE I. DIMENSIONS:

	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		AMPS AT 20°C		AMPS AT 60°C		AMPS AT --°C		SECONDS AT 20°C, 20.0A		OHMS AT 20°C		OHMS AT 20°C		WATTS AT 20°C, 30V	
	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	TYP	MAX	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:
 Reference Documents:
 Precedence:
 Effectivity:
 CAUTION:

UL, TUV, CSA
 PS300
 This specification takes precedence over documents referenced herein.
 Reference documents shall be the issue in effect on the date of invitation for bid.
 Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame