



THE DATASHEET OF SRP420



Tyco / Electronics
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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
 PAGE NO.: 1 OF 1

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

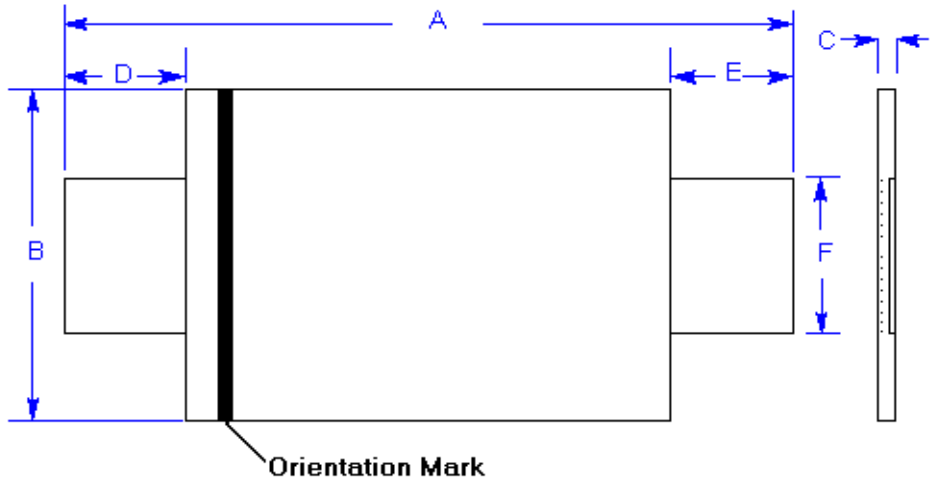


TABLE I. DIMENSIONS:

	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.

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