

Tyco / Electronics
Raychem Circuit Protection
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PolySwitch®
PTC Devices
 Overcurrent Protection Device

PRODUCT: SRP120F

DOCUMENT: SCD25907
 PCN: D76374
 REV LETTER: B
 REV DATE: DECEMBER 17, 2004
 PAGE NO.: 1 OF 1

Specification Status: Released

Electrical Rating

Voltage: 15V MAX
Current: 100A MAX

Chip Size: 5 x 7mm

Leads: Nickel 1/4H,
 0.125mm Nominal thickness

Tape: Polyester (White)
 8mm Width

Solder: Lead-free

Lot Marking Ink Color (Green)

Marking:

— Manufacturer's Mark
 XX 120 — Part Identification
 □□□□ — Lot Identification

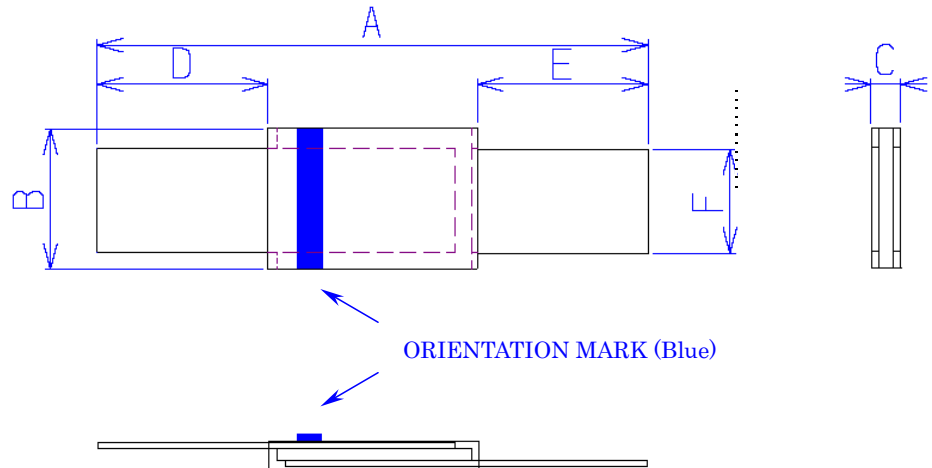


TABLE I. DIMENSIONS:

	A		B		C		D		E		F	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	19.9	22.1	4.9	5.2	0.6	1.0	5.5	7.5	5.5	7.5	3.9	4.1
in*:	(0.78)	(0.87)	(0.19)	(0.20)	(0.02)	(0.04)	(0.22)	(0.30)	(0.22)	(0.30)	(0.15)	(0.16)

*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 TRIP		AMPS AT 20°C HOLD TRIP		AMPS AT 60°C HOLD TRIP		AMPS AT --°C HOLD TRIP		SECONDS AT 20°C, 6.0A TYP MAX		OHMS AT 20°C MIN MAX		OHMS AT 20°C MIN MAX		WATTS AT 20°C, 15V TYP MAX
1.2	1.5	3.1	1.2	2.7	0.8	1.8	--	--	--	5	0.085	0.160	0.085	0.220	--	1.2	

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