

Tyco Electronics
Raychem Circuit Protection
 308 Constitution Drive
 Menlo Park, CA 94025-1164
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PolySwitch®
PTC Devices
 Overcurrent Protection Device

PRODUCT: SRP175F

DOCUMENT: SCD 25486
 PCN: A17823
 REV LETTER: A
 REV DATE: JUNE 27, 2003
 PAGE NO.: 1 OF 1

Specification Status - Released

Electrical Rating

Voltage: 15V MAX
Current: 100A MAX

Leads: Nickel 0.125 mm nominal

Tape: Polyester

Solder: Lead-free

Marking:

- Manufacturer's Mark
- ⊗ 175 — Part Identification
- □ □ □ — Lot Identification

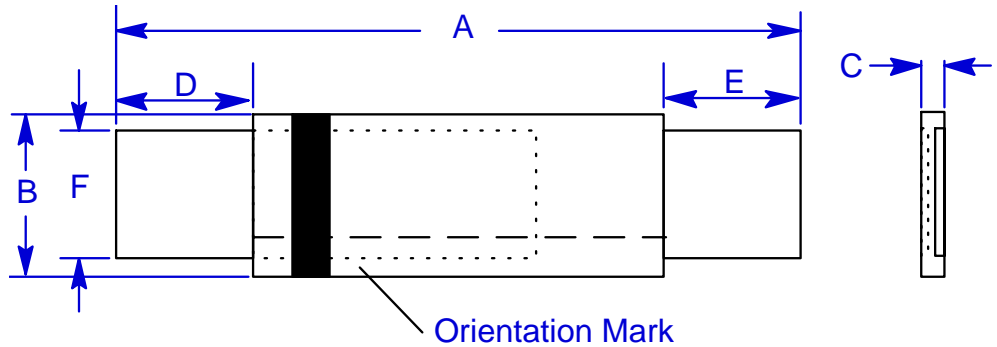


TABLE I. DIMENSIONS:

	A		B		C		D		E		F		G	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	20.9	23.1	4.9	5.2	0.6	1.0	4.1	5.5	4.1	5.5	3.9	4.1	--	--
in*:	(0.82)	(0.91)	(0.19)	(0.20)	(0.02)	(0.04)	(0.16)	(0.22)	(0.16)	(0.22)	(0.15)	(0.16)	--	--

*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 AT 0°C		AMPS AT 20°C		AMPS AT 60°C		AMPS AT 85°C			OHMS AT 20°C		OHMS AT 20°C			WATTS AT 20°C, 15V MAX
	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP		MIN	MAX	MIN	MAX		
1.75	2.0	4.4	1.75	3.8	1.2	2.7	0.9	--	5	0.050	0.090	0.050	0.120	1.5	

Agency Recognitions:
 Reference Documents:
 Precedence:
 Effectivity:
 CAUTION:

UL, CSA, TUV
 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.