

**Tyco Electronics**  
**Raychem Circuit Protection**  
 308 Constitution Drive  
 Menlo Park, CA 94025  
 Phone: 800-227-4856  
 Fax: 800-227-4866

**PolySwitch®**  
**PTC Devices**  
 Overcurrent Protection Device

**PRODUCT: SRP175**

DOCUMENT: SCD 22676  
 PCN: 741515  
 REV LETTER: G  
 REV DATE: JUNE 12, 2001  
 PAGE NO.: 1 OF 1

**Specification Status - Released**

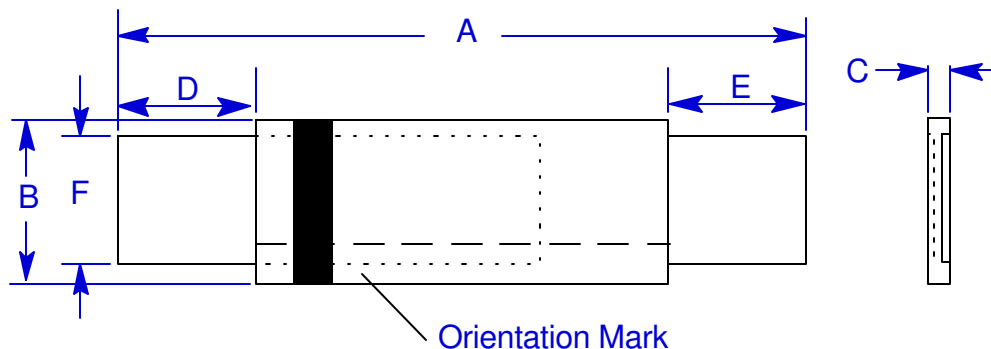
**Electrical Rating**

**Voltage: 15V MAX**  
**Current: 100A MAX**

Leads:  
 Nickel: 0.125 mm nom

Tape:  
 Polyester

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 20°C		AMPS AT 0°C		AMPS AT 20°C		AMPS AT 60°C			AMPS AT 85°C		SECONDS AT 20°C, 8.75 A			OHMS AT 20°C
HOLD	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MIN	MAX	MIN	MAX	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

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.