

Tyco Electronics
Raychem Circuit Protection
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 Menlo Park, CA 94025
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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

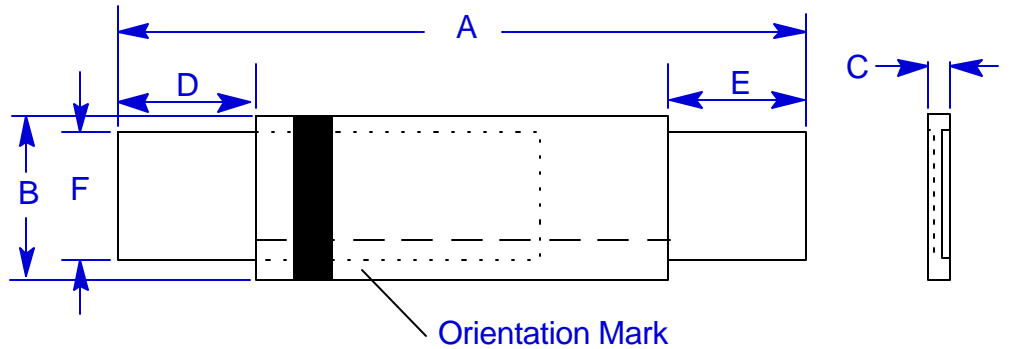


TABLE I. DIMENSIONS:

	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		OHMS AT 20°C			OHMS AT 20°C
HOLD	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MIN	MAX	MIN	MAX	WATTS AT 20°C, 15V 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.