

Excellent Integrated System Limited

Stocking Distributor

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[TE Connectivity Raychem Circuit Protection
SRP175](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

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

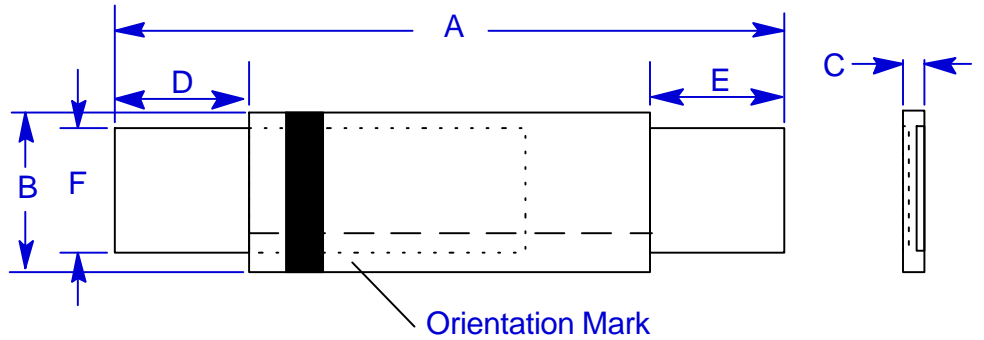


TABLE I. DIMENSIONS:

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