

Tyco / Electronics
Raychem Circuit Protection
 308 Constitution Drive
 Menlo Park, CA 94025-1164
 Phone: 800-227-4856
 Fax: 800-227-4866

PolySwitch®
PTC Devices
 Overcurrent Protection Device

PRODUCT: VTP175L

DOCUMENT: 24457
 PCN: 337291
 REV LETTER: D
 REV DATE: SEPTEMBER 16, 2002
 PAGE NO: 1 OF 1

Specification Status: Released

Electrical Rating

Voltage: 16Vdc MAX

Current: 100A MAX

Leads:

Nickel: 0.125 mm nom.

Tape: Polyester

Marking:

— Manufacturer's Mark

⊗ V1X — Part Identification

□□□□ — Lot Identification

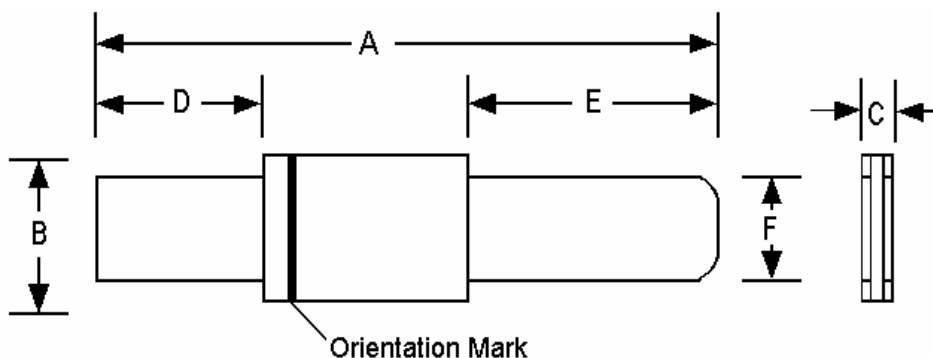


TABLE I. DIMENSIONS:

	A		B		C		D		E		F		G	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	25.8	28.2	3.5	3.9	--	0.8	5.7	7.3	8.7	10.3	2.4	2.6	--	--
in*:	(1.02)	(1.11)	(0.13)	(0.15)	--	(0.03)	(0.22)	(0.29)	(0.34)	(0.41)	(0.09)	(0.10)	--	--

*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 25°C HOLD	AMPS AT 0°C		AMPS AT 25°C		AMPS AT 60°C		AMPS AT 80°C		SECONDS AT 25°C, 8.75 A		OHMS AT 25°C		OHMS AT 25°C		WATTS AT 25°C, 16V
	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	TYP	MAX	MIN	MAX	MIN	MAX	MAX
1.75	2.2	4.7	1.75	3.6	0.8	1.9	--	--	--	5	0.029	0.051	0.029	0.102	1.4

Reference Documents:

Precedence:

Effectivity:

CAUTION:

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.