

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: VTP175LF

DOCUMENT: SCD 25934
 PCN: D16304
 REV LETTER: B
 REV DATE: FEBRUARY 16, 2005
 PAGE NO.: 1 OF 1

Specification Status: Released

Maximum Electrical Rating

Operating Voltage: 16Vdc

Interrupt Current: 100A

Chip Size: 3.6 x 10mm

Leads: Nickel 1/4H
 0.125mm nominal thickness

Solder: Lead-free

Tape: Polyester (White)
 11mm nominal width

Marking: (Color: Green)

— Manufacturer's Mark
 ✕ V1X — Part Identification
 □ □ □ □ — Lot Identification

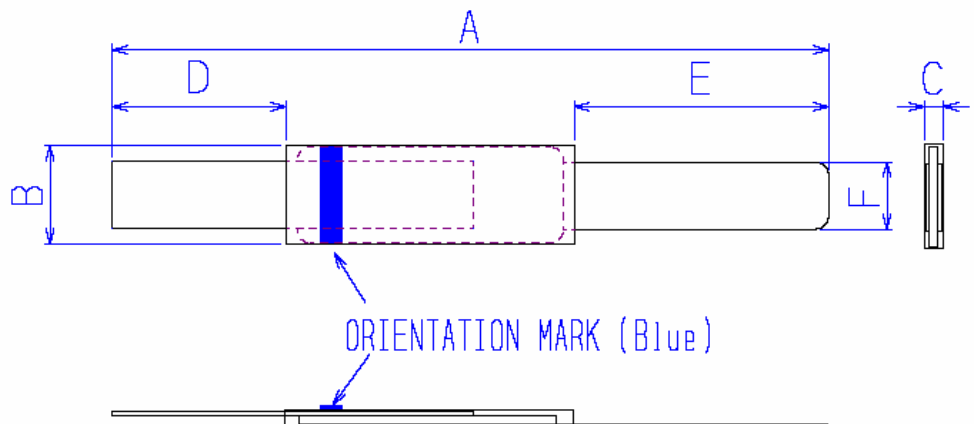


TABLE I. DIMENSIONS:

	A		B		C		D		E		F	
	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)	(0.14)	(0.15)	---	(0.03)	(0.22)	(0.29)	(0.34)	(0.41)	(0.09)	(0.10)

*Rounded off approximation

TABLE II. PERFORMANCE RATINGS: As measured in Mueller Kelvin Clips model BU-75K

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 25°C		AMPS AT 60°C		AMPS AT --°C								
	AMPS 25°C HOLD	AMPS AT 0°C HOLD TRIP	AMPS AT 25°C HOLD TRIP	AMPS AT 60°C HOLD TRIP	AMPS AT --°C HOLD TRIP	SECONDS AT 25°C, 8.75A MIN MAX	OHMS AT 25°C MIN MAX	OHMS AT 25°C MIN MAX	WATTS AT 25°C, 16V 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

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

UL, TUV, CSA
 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.

Materials Information:

ROHS Compliant

Directive 2002/95/EC
 Compliant

ELV Compliant

Directive 2000/53/EC
 Compliant

Pb-Free

