

**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: VLP270**  
 DOCUMENT: SCD 24910  
 PCN: F13298  
 REV LETTER: C  
 REV DATE: NOVEMBER 2, 2004  
 PAGE NO.: 1 OF 1

**Specification Status: RELEASED**

**Electrical Rating**

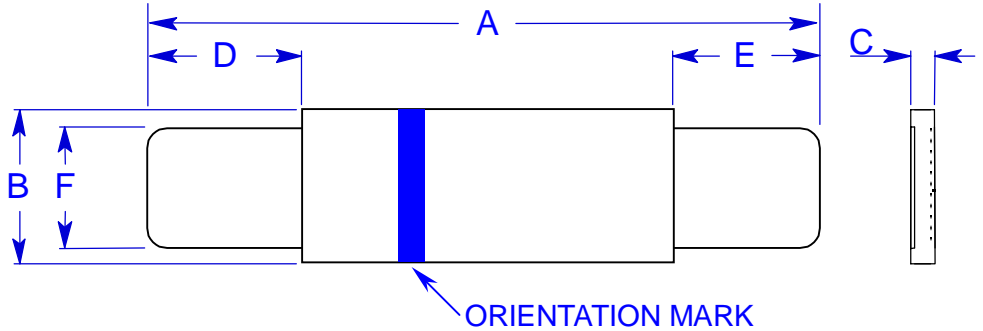
**Voltage: 16V MAX**  
**Current: 60A MAX**

Nickel Leads: 0.125mm nominal thickness

Tape: Polyester (White)  
 13mm nominal width

**Marking:**

- Manufacturer's Mark
- ⊗ W27 — 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:	20.9	23.1	4.9	5.3	0.6	0.8	4.1	5.8	4.1	5.8	3.9	4.1
in*:	(0.82)	(0.91)	(0.19)	(0.21)	(0.02)	(0.03)	(0.16)	(0.23)	(0.16)	(0.23)	(0.15)	(0.16)

\*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						SECONDS AT 25°C, 13.5A		OHMS AT 25°C		WATTS AT 25°C, 16V
HOLD	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	TYP	MAX	MIN	MAX	MIN	MAX	TYP	MAX
2.7	4.0	8.9	2.7	6.5	1.4	3.8	--	--	--	--	5		0.012	0.018	0.012	0.036	--	2.0

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

UL, CSA, TUV  
 PS300  
 This specification takes precedence over documents referenced herein.  
 Reference documents shall be the issue in effect on the date of invitation or bid.  
 Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame.