

**Specification Status: Released**

**Electrical Rating**

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

Chip Size: 5x12mm

Leads: Nickel 1/4H  
 0.125mm nominal thickness

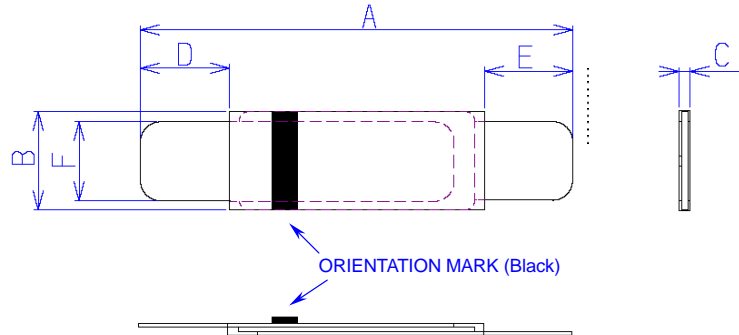
Tape: Polyester(White)  
 13mm Width

Solder: Lead-free

Lot Marking Ink Color (Green)

Marking:

- Manufacturer's Mark
- XX 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)	(0.92)	(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 Muller 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 HOLD		AMPS AT 25°C HOLD		AMPS AT 60°C HOLD		SECONDS AT 25°C, 13.5A TYP		OHMS AT 25°C MIN		OHMS AT 25°C MIN		WATTS AT 25°C, 16V TYP	
	TRIP	TRIP	TRIP	TRIP	TRIP	TRIP	MAX	MAX	MAX	MAX	MAX	MAX	MAX	
2.7	4.0	8.9	2.7	6.5	1.4	3.8	--	5	0.012	0.018	0.012	0.036	--	2.5

Agency Recognition: UL, TUV, CSA  
 Reference Document: 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.

**Materials Information**

**ROHS Compliant**

Directive 2002/95/EC  
 Compliant

**ELV Compliant**

Directive 2000/53/EC  
 Compliant

**Pb-Free**





Expertise Applied | Answers Delivered

# PolySwitch® PTC Devices

Overcurrent Protection Device

**PRODUCT: VLP270F**

DOCUMENT: SCD25981  
REV LETTER: D  
REV DATE: JULY 26, 2016  
PAGE NO.: 2 OF 2

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