PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: VLP270F

DOCUMENT: SCD25981
REV LETTER: D
REV DATE: JULY 26, 2016
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Specification Status: Released

Electrical Rating

Voltage: 16V MAX
Current: 60A MAX

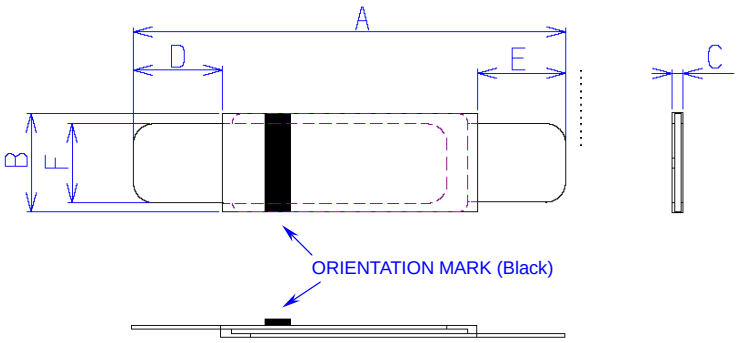
Chip Size: 5x12mm

Leads: Nickel 1/4H
0.125mm nominal thickness

Tape: Polyester(White)
13mm Width

Solder: Lead-free

Lot Marking Ink Color (Green)



Marking:

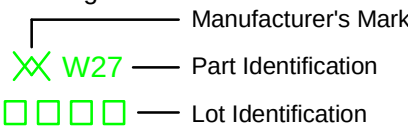


TABLE I. DIMENSIONS:

	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 25°C HOLD	AMPS AT 0°C		AMPS AT 25°C		AMPS AT 60°C		SECONDS AT 25°C, 13.5A		OHMS AT 25°C		OHMS AT 25°C		WATTS AT 25°C, 16V	
	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	--	2.5

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