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308 Constitution Drive Menlo Park, CA 94025-1164 Phone: 800-227-4856 www.circuitprotection.com

# PolySwitch® PTC Devices

**Overcurrent Protection Device** 

**PRODUCT: VLP220F** 

DOCUMENT: SCD25620 PCN: RF0515

REV LETTER: E REV DATE: MAY 14, 2011 PAGE NO.: 1 OF 1

ORIENTATION MARK (Black)

#### **Specification Status: Released**

#### Maximum Electrical Rating

Operating Voltage: 16Vdc MAX Interrupt Current: 60A MAX

Chip Size: 3.6 X 10 mm

Leads: Nickel

0.125mm nominal thickness

Solder: Lead-free

Tape: Polyester

11mm nominal width

Marking: (Color: Green)

- Manufacturer's Mark

W22 — Part Identification

Lot Identification

### TABLE I. DIMENSIONS:

	А		В		С			)	Е		F	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	21.1	23.3	3.5	3.9	0.6	8.0	5.1	6.8	5.1	6.8	2.9	3.1
in*:	(0.83)	(0.91)	(0.14)	(0.15)	(0.02)	(0.03)	(.20)	(0.27)	(0.20)	(0.27)	(0.11)	(0.12)

<sup>\*</sup>Rounded off approximation

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

I HOLD	CURRENT TRIP LIMITS									E TO	REFERENCE		ONE-HOUR		TRIPPED-	
										RIP	RESIS	TANCE	POST	-TRIP	STATE	
													RESISTANCE		POWER	
															DISSIPATION	
AMPS	AMPS		AMI	PS	S AMPS		AMPS		SECON	IDS AT	T OHMS		OHMS		WATTS AT	
25°C	AT 0°C		AT 25°C AT 60°		30°C	AT°C		25°C, 11.0A		AT 25°C		AT 25°C		25°C, 16V		
HOLD	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	TYP	MAX	MIN	MAX	MIN	MAX	MAX	
2.2	3.0	7.0	2.2	5.3	1.1	3.1				5	0.017	0.029	0.017	0.058	1.8	

Agency Recognitions: UL, TUV, CSA

Reference Documents: 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** 

**ELV Compliant** 

Pb-Free

Directive 2000/53/EC Compliant

Directive 2002/95/EC Compliant



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