

**Specification Status: Released**

**Maximum Electrical Rating**  
**Operating Voltage: 16Vdc MAX**  
**Interrupt Current: 60A MAX**

Chip Size: 3.5x4.5mm

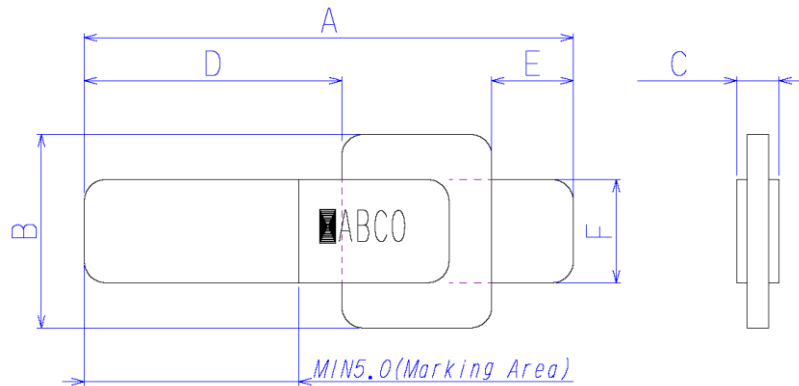
Leads: Nickel 1/2H  
 0.125mm nominal thickness

Solder: Lead-free

Tape: None

Marking: Laser marking

□ □ □ □ — Lot Identification



**TABLE I. DIMENSIONS:**

	A		B		C		D		E		F	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	TYP	MIN	MAX
mm:	10.9	11.8	4.4	4.6	--	0.7	5.5	6.5	1.65	1.9	2.3	2.5
in*:	0.43	0.46	0.17	0.18	--	0.028	0.22	0.26	0.065	0.075	0.091	0.098

\*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 25°C HOLD	AMPS AT 0°C HOLD	AMPS AT 25°C TRIP	AMPS AT 40°C HOLD	AMPS AT 40°C TRIP	AMPS AT 60°C HOLD	AMPS AT 60°C TRIP	AMPS AT 60°C HOLD	AMPS AT 60°C TRIP	SECONDS AT 25°C, 7.0A TYP	SECONDS AT 25°C, 7.0A MAX	OHMS AT 25°C MIN	OHMS AT 25°C MAX	OHMS AT 25°C MIN	
1.2	1.8	4.9	1.2	3.6	1.0	3.0	0.6	2.1	-	5.0	0.039	0.067	0.039	0.134	1.6

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**





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# PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: VLP120UF

DOCUMENT: SCD27299  
REV LETTER: E  
REV DATE: JULY 26, 2016  
PAGE NO.: 2 OF 2

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