

# PolySwitch®

## PTC Devices

### Overcurrent Protection Device

PRODUCT: VLR170UF

DOCUMENT: SCD25397  
PCN: A46524  
REV LETTER: D  
REV DATE: MAY 14, 2011  
PAGE NO.: 1 OF 1

## Specification Status: Released

### Maximum Electrical Rating

**Operating Voltage: 12Vdc**  
**Interrupt Current: 100A**

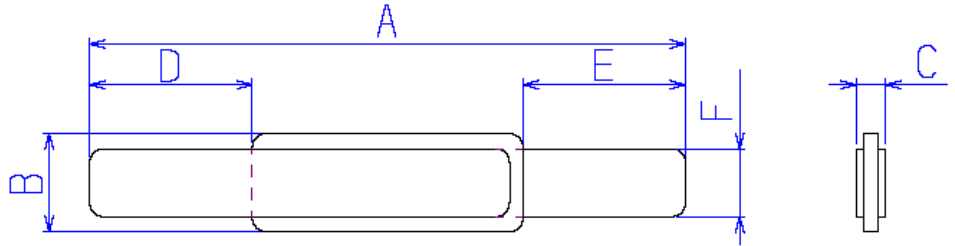
Chip Size: 3.6 X 10mm

Leads: Nickel 1/4H  
0.125mm nominal thickness

Tape: None

Solder: Lead-Free

Marking: None



**TABLE I. DIMENSIONS:**

	A		B		C		D		E		F	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	20.8	23.2	3.5	3.7	---	0.7	5.3	6.7	5.3	6.7	2.4	2.6
in*:	(0.81)	(0.91)	(0.14)	(0.15)	--	(0.03)	(0.21)	(0.26)	(0.21)	(0.26)	(0.09)	(0.10)

\*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, 8.5A					OHMS AT 25°C		WATTS AT 25°C, 12V MAX
25°C HOLD	AT 0°C HOLD	AT 0°C TRIP	AT 25°C HOLD	AT 25°C TRIP	AT 60°C HOLD	AT 60°C TRIP	AT --°C HOLD	AT --°C TRIP	MIN	MAX	MIN	MAX	MIN	MAX		
1.7	2.4	5.6	1.7	4.1	0.7	1.9	---	---	---	5	0.018	0.032	0.018	0.064	---	1.4

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

UL, TUV, CSA  
PS300  
This specification takes precedence over documents referenced herein.  
Reference documents shall be the issue in effect on the date of invitation for bid.  
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**

