

308 Constitution Drive Menlo Park, CA USA www.circuitprotection.com

## **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

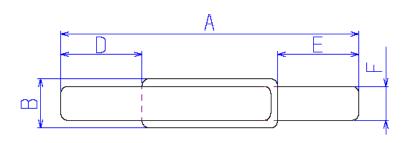
Leads: Nickel 1/4H

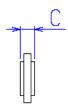
0.125mm nominal thickness

Tape: None

Solder: Lead-Free

Marking: None





#### **TABLE I. DIMENSIONS:**

	Α		В		С			)	Е		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)
-												

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

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

	I HOLD	CURRENT TRIP LIMITS									TO	REFE	RENCE	ONE-	HOUR	TRIPPED-		
											IΡ	RESIS	TANCE	POST	POST-TRIP STA		ATE.	
														RESISTANCE		POWER		
																DISSIPATION		
	AMPS	AMPS		AMPS		AM	AMPS		AMPS		SECONDS AT		OHMS		OHMS		WATTS AT	
	25°C	AT 0°C		AT 25°C		AT 60°C		AT°C		25°C, 8.5A		AT 25°C		AT 25°C		25°C, 12V		
	HOLD	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MIN	MAX	MIN	MAX	MIN	MAX	MA	λX	
ı	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	

UL, TUV, CSA Agency Recognitions: Reference Documents: PS300

This specification takes precedence over documents referenced herein. Precedence:

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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