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## **PolySwitch**® **PTC Devices**

**Overcurrent Protection Device** 

Raychem Circuit Protection Products

PRODUCT: VLR170UF

DOCUMENT: SCD 25397 PCN: A46524

**REV LETTER: C REV DATE: JUNE 25, 2007** 

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## **Specification Status: Released**

## **Maximum Electrical Rating**

Operating Voltage: 12Vdc Interrupt Current: 100A

Chip Size: 3.6 X 10mm

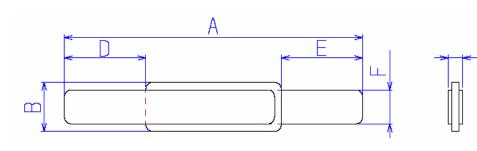
Leads: Nickel 1/4H

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	REFERENCE ONE-HOUR			HOUR	TRIPPED-	
											ΙP	RESISTANCE		POST-TRIP		STATE	
														RESISTANCE		POWER	
													ļ		DISSIPATION		
	AMPS	AMPS		AMPS AM		IPS	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	٨X
Ш	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: 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** 

Directive 2002/95/EC Compliant

**ELV Compliant** 

Directive 2000/53/EC Compliant

Pb-Free



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