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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** 

Raychem Circuit Protection Products

PRODUCT: VLR175UF
DOCUMENT: SCD 25387

DOCUMENT: SCD 2538 PCN: A43993

**REV DATE: JUNE 25, 2007** 

PAGE NO.: 1 OF 1

REV LETTER: C

## **Specification Status: Preliminary**

### **Maximum Electrical Rating**

Operating Voltage: 12Vdc Interrupt Current: 100A

Leads: Nickel

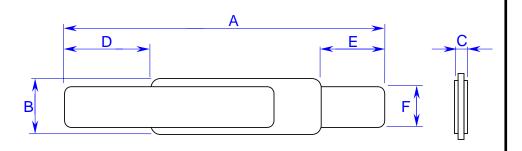
0.125mm nominal thickness

Tape: None

Solder: Lead-free

Marking: None

mm: in\*:



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

	Α		В		С			)	Е		F	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
ղ:	23.0	24.5	2.9	3.1		0.7	5.2	7.5	4.3	5.7	2.4	2.6
	(0.91)	(0.96)	(0.11)	(0.12)		(0.03)	(0.20)	(0.30)	(0.17)	(0.22)	(0.09)	(0.10)

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

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

П	HOLD	CURRENT TRIP LIMITS									TO	REFEI	RENCE	ONE-HOUR		TRIPPED-
											ΙP	RESISTANCE		POST-TRIP		STATE
														RESISTANCE		POWER
																DISSIPATION
	AMPS	AMPS		AMPS		AMPS		AMPS		SECONDS AT		OHMS		OHMS		WATTS AT
	25°C	AT 0°C		AT 25°C AT		AT 6	O°C AT 80°C		30°C	25°C, 8.75A		AT 25°C		AT 25°C		25°C, 12V
ΙL	HOLD	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MIN	MAX	MIN	MAX	MIN	MAX	MAX
	1.75	2.4	5.6	1.75	4.2	0.8	2.0				5	0.017	0.031	0.017	0.062	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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