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# PolySwitch® PTC Devices

**Overcurrent Protection Device** 

PRODUCT: VLR230UF

DOCUMENT: SCD25676

PCN: D49484 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: 5 X 12mm

Leads: Nickel 1/4H

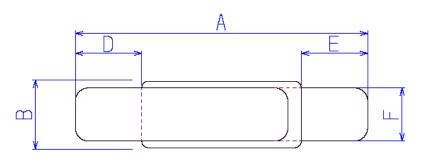
0.125mm nominal thickness

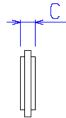
Solder: Lead-free

Tape: None

Marking: None

mm: in\*:





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

	A		В		С			)	Е		F		
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	
ո։	20.9	23.1	4.9	5.1		0.7	4.1	6.0	4.1	6.0	3.9	4.1	
	(0.82)	(0.91)	(0.19)	(0.20)		(0.03)	(0.16)	(0.24)	(0.16)	(0.24)	(0.15)	(0.16)	

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

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

	I HOLD			CUR	RENT	TRIP LIN	/IITS		TIME	TO	REFERENCE		ONE-	ONE-HOUR		TRIPPED-		
									TR	ΙP	RESISTANCE		POST-TRIP		STATE			
П														RESISTANCE		POWER		
П															DISSIPATION			
	AMPS	AMPS		AMPS AMPS		PS	AMPS		SECONDS AT OHMS		MS	OHMS		WATTS AT				
П	25°C	AT 0°C		AT 25°C A		AT 6	60°C A		AT°C		25°C, 10.0A		AT 25°C		AT 25°C		25°C, 12V	
П	HOLD	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	TYP	MAX	MIN	MAX	TYP	MAX	TYP	MAX	
H	2.3	3.4	6.6	2.3	5.0	0.9	2.3			2.4	5	0.012	0.018	0.031	0.036	1.4	2.5	

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 ELV Compliant

Pb-Free

Directive 2002/95/EC Compliant Directive 2000/53/EC Compliant



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