

**Tyco / Electronics**  
**Raychem Circuit Protection**  
 308 Constitution Drive  
 Menlo Park, CA 94025-1164  
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**PolySwitch®**  
**PTC Devices**  
 Overcurrent Protection Device

**PRODUCT: VLR230U**

DOCUMENT: SCD 24736  
 PCN: 144412  
 REV LETTER: B  
 REV DATE: SEPTEMBER 18, 2002  
 PAGE NO.: 1 OF 1

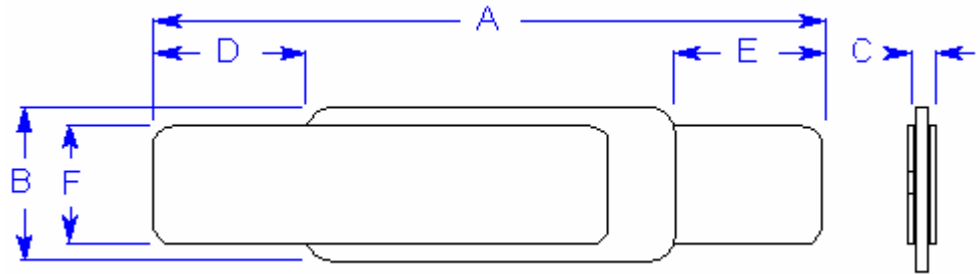
**Specification Status: Preliminary**

**Electrical Rating**

**Voltage: 12V MAX**  
**Current: 100A MAX**

Nickel Leads:  
 0.125 mm nom.

Marking:  
 None



**TABLE I. DIMENSIONS:**

	A		B		C		D		E		F	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	20.9	23.1	4.9	5.1	--	0.7	4.1	6.0	4.1	6.0	3.9	4.1
in*:	(0.82)	(0.91)	(0.19)	(0.20)		(0.03)	(0.16)	(0.24)	(0.16)	(0.24)	(0.15)	(0.16)

\*Rounded off approximation

**TABLE II. PERFORMANCE RATINGS:**

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, 10.0A		OHMS AT 25°C		OHMS AT 25°C		WATTS AT 25°C, 12V	
HOLD	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	TYP	MAX	MIN	MAX	TYP	MAX	TYP	MAX
2.3	3.4	6.6	2.3	5.0	0.9	2.3	--	--	--	5	0.012	0.018	0.031	0.036	--	2.5

Reference Documents:  
 Precedence:  
 Effectivity:  
 CAUTION:

PS300  
 This specification takes precedence over documents referenced herein.  
 Reference documents shall be the issue in effect on the date of invitation or bid.  
 Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame.