

**Tyco / Electronics**  
**Raychem Circuit Protection**  
 308 Constitution Drive  
 Menlo Park, CA 94025-1164  
 Phone: 800-227-4856  
 Fax: 800-227-4866

**PolySwitch®**  
**PTC Devices**  
 Overcurrent Protection Device

**PRODUCT: VLR230**

DOCUMENT: SCD 24431  
 PCN: 605569  
 REV LETTER: D  
 REV DATE: MARCH 12, 2003  
 PAGE NO.: 1 OF 1

**Specification Status: Released**

**Electrical Rating**

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

**Leads:**

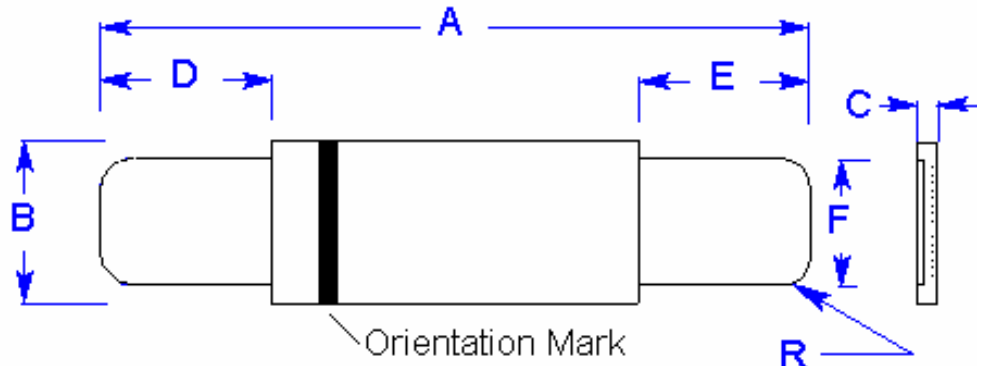
Nickel: 0.13 mm nom.

**Tape:**

Polyester

**Marking:**

- Manufacturer's Mark
- ⊗ R23 — Part Identification
- — Lot Identification



**TABLE I. DIMENSIONS:**

	A		B		C		D		E		F		R	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	TYP	MAX
mm:	20.9	23.1	4.9	5.3	-	0.8	4.1	5.8	4.1	5.8	3.9	4.1	1.0	--
in*:	(0.82)	(0.91)	(0.19)	(0.21)	-	(0.03)	(0.16)	(0.23)	(0.16)	(0.23)	(0.15)	(0.16)	(0.039)	--

\*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 80°C						SECONDS AT 25°C, 10.0 A		OHMS AT 25°C		WATTS AT 25°C, 12V
	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	-	-	2.4	5	0.012	0.018	0.031	0.036	1.4	2.5

**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.