

**Tyco / Electronics**  
**Raychem Circuit Protection**  
 308 Constitution Drive  
 Menlo Park, CA 94025-1164  
 Phone: 800-227-4856  
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**PolySwitch®**  
**PTC Devices**  
 Overcurrent Protection Device

**PRODUCT: VLR230-C36F**

DOCUMENT: SCD 25339  
 PCN: A44339  
 REV LETTER: B  
 REV DATE: SEPTEMBER 8, 2005  
 PAGE NO.: 1 OF 1

**Specification Status: Released**

**Maximum Electrical Rating**

**Operating Voltage: 12Vdc**  
**Interrupt Current: 100A**

Chip Size: 3.6 X 16.7 mm

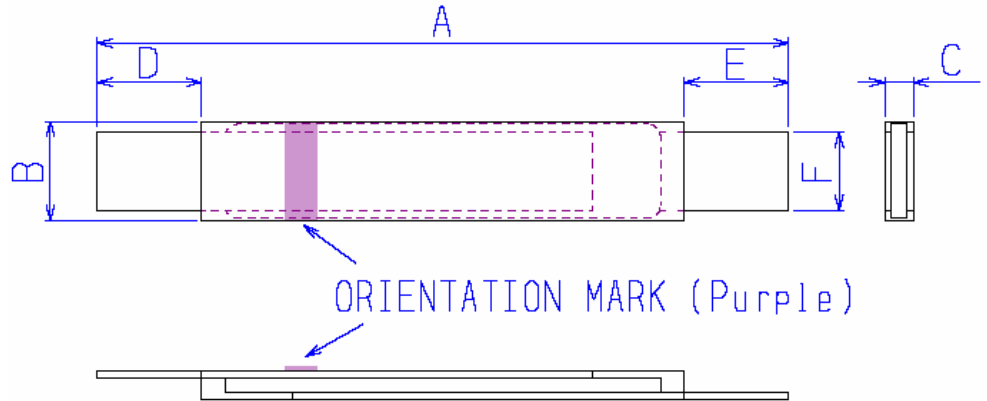
Leads: Nickel 1/4H  
 0.125mm nominal thickness

Solder: Lead-free

Tape: Polyester  
 18.5mm nominal width

Marking: (Color: Green)

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



**TABLE I. DIMENSIONS:**

	A		B		C		D		E		F	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	25.3	27.7	3.5	3.9	---	0.8	3.5	5.7	3.5	5.7	2.9	3.1
in*:	(0.10)	(1.09)	(0.14)	(0.15)		(0.03)	(0.14)	(0.22)	(0.14)	(0.22)	(0.11)	(0.12)

\*Rounded off approximation

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

I HOLD	CURRENT TRIP LIMITS									TIME TO TRIP	REFERENCE RESISTANCE	ONE-HOUR POST-TRIP RESISTANCE	TRIPPED-STATE POWER DISSIPATION			
	AMPS 25°C HOLD		AMPS AT 0°C AT 25°C		AMPS AT 25°C AT 60°C		AMPS AT --°C AT 25°C		AMPS AT 25°C AT 10.0A					OHMS AT 25°C		OHMS AT 25°C
	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MIN	MAX	MIN	MAX		
	2.3	3.4	6.6	2.3	5.0	0.9	2.3	---	---	---	5	0.012	0.018	0.012	0.036	2.5

Agency Recognitions:  
 Reference Documents:  
 Precedence:  
 Effectivity:  
 CAUTION:  
 Materials Information:

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

**ROHS Compliant**

Directive 2002/95/EC  
 Compliant

**ELV Compliant**

Directive 2000/53/EC  
 Compliant

**Pb-Free**

