

**Specification Status: Released**

**Maximum Electrical**

**Rating**

**Operating Voltage: 12Vdc**

**Interrupt Current: 100A**

Chip Size: 5 X 12mm

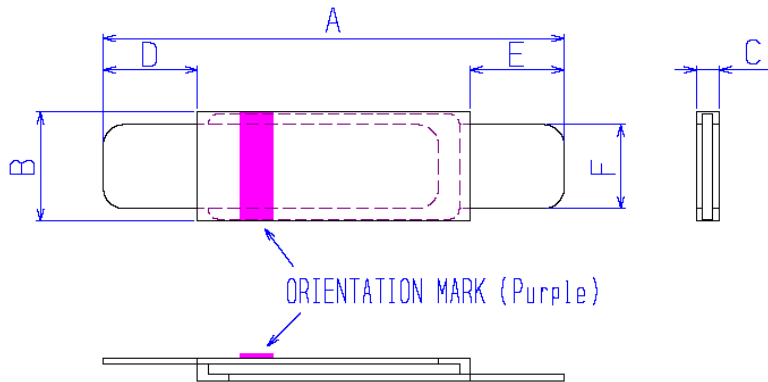
Leads: Nickel 1/4H  
0.125mm nominal thickness

Solder: Lead-free

Tape: Polyester (White)  
13 mm nominal width

Marking: (Color: Green)

- Manufacturer's Mark
- ⊗ 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:	20.9	23.1	4.9	5.3	---	0.8	4.1	5.8	4.1	5.8	3.9	4.1
in*:	(0.82)	(0.91)	(0.19)	(0.21)	--	(0.03)	(0.16)	(0.23)	(0.16)	(0.23)	(0.15)	(0.16)

\*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 E		ONE-HOUR POST-TRIP RESISTANCE E		TRIPPED-STATE POWER DISSIPATION	
	AMPS 25°C	AMPS AT 0°C	AMPS AT 25°C	AMPS AT 60°C	AMPS AT -°C	SECONDS AT 25°C, 10.0A	SECONDS AT 25°C, 10.0A	OHMS AT 25°C	OHMS AT 25°C	WATTS AT 25°C, 12V	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	---	---	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**

Directive 2002/95/EC Compliant

**ELV Compliant**

Directive 2000/53/EC Compliant

**Pb-Free**





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

**PRODUCT: VLR230F**

DOCUMENT: SCD25580  
PCN: D03587  
REV LETTER: D  
REV DATE: July 26, 2016  
PAGE NO.: 2 OF 2

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