

**Specification Status: Released**

**Maximum Electrical Rating**  
Operating Voltage: 12Vdc  
Interrupt Current: 100A

Chip Size: 3 X 12 mm

Leads: Nickel 1/4H  
0.125mm nominal thickness

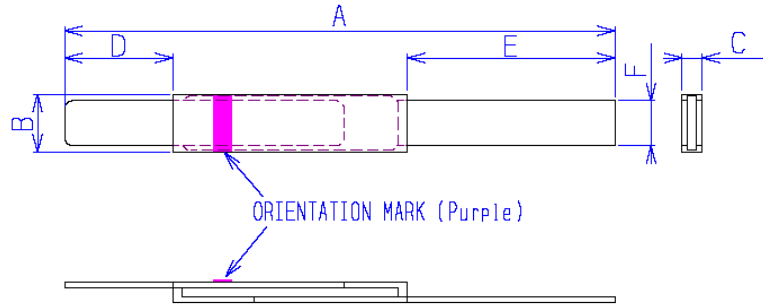
Tape: Polyester (White)  
13mm nominal width

Solder: Lead-free

Marking: (Color: Green)  
Manufacturer's Mark

XX R1X — 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:	29.3	31.7	2.9	3.3	---	0.8	5.2	6.8	10.0	12.5	2.4	2.6
in*:	(1.15)	(1.25)	(0.11)	(0.13)	--	(0.03)	(0.20)	(0.27)	(0.39)	(0.49)	(0.09)	(0.10)

\*Rounded off approximation

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

I HOLD	CURRENT TRIP LIMITS								TIME TO TRIP		REFERENC E RESISTANC E		ONE-HOUR POST-TRIP RESISTANCE		TRIPPED- STATE POWER DISSIPATION		
	AMPS AT 25°C		AMPS AT 0°C		AMPS AT 25°C		AMPS AT 60°C		AMPS AT 80°C		SECONDS AT 25°C, 8.75A		OHMS AT 25°C			WATTS AT 25°C, 12V	
HOLD	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MIN	MAX	MIN	MAX	MIN		MAX
1.75	2.4	5.6	1.75	4.2	0.8	2.0	---	---	---	5	0.017	0.031	0.017	0.062	1.4		

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**





Expertise Applied | Answers Delivered

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

**PRODUCT : VLR175LF**

DOCUMENT: SCD25533  
PCN: D34121  
REV LETTER: F  
REV DATE: July 26, 2016  
PAGE NO.: 2 OF 2

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