

## Specification Status: Released

### Maximum Electrical Rating

**Operating Voltage: 12Vdc**

**Interrupt Current: 100A**

Chip Size: 3x12mm

Leads: Nickel 1/4H  
0.125mm nominal thickness

Solder: Lead-free

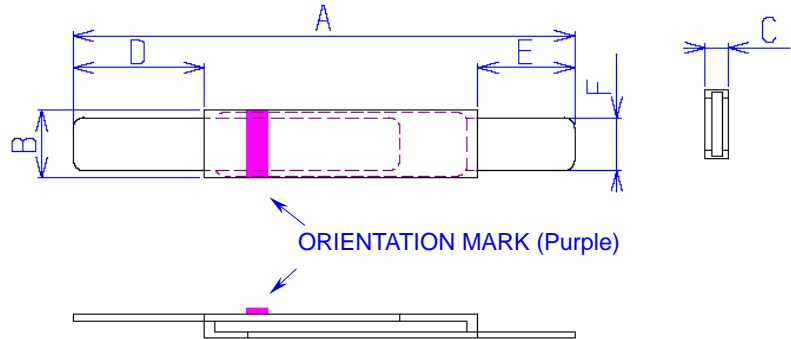
Tape: Polyester (White)  
13mm nominal width

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:	23.0	24.5	2.9	3.3	0.5	0.8	4.7	7.2	3.8	5.4	2.4	2.6
in*:	(0.91)	(0.96)	(0.11)	(0.13)	(0.02)	(0.03)	(0.19)	(0.28)	(0.15)	(0.21)	(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		REFERENCE RESISTANCE		ONE-HOUR POST-TRIP RESISTANCE		TRIPPED-STATE POWER DISSIPATION
	AMPS 25°C HOLD	AMPS AT 0°C HOLD	AMPS AT 25°C TRIP	AMPS AT 60°C HOLD	AMPS AT 60°C TRIP	AMPS AT 60°C HOLD	AMPS AT 60°C TRIP	SECONDS AT 25°C, 8.75A MIN	SECONDS AT 25°C, 8.75A MAX	OHMS AT 25°C MIN	OHMS AT 25°C MAX	OHMS AT 25°C MIN	
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 Recognition: UL, TUV, CSA  
 Reference Document: 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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**PRODUCT: VLR175F**

DOCUMENT: SCD25501  
REV LETTER: H  
REV DATE: JULY 26, 2016  
PAGE NO.: 2 OF 2

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