

**Specification Status: Released**

**Maximum Electrical Rating**

**Operating Voltage: 12Vdc**

**Interrupt Current: 100A**

Chip Size: 3.6 X 10mm

Leads: Nickel 1/4H  
0.125mm nominal thickness

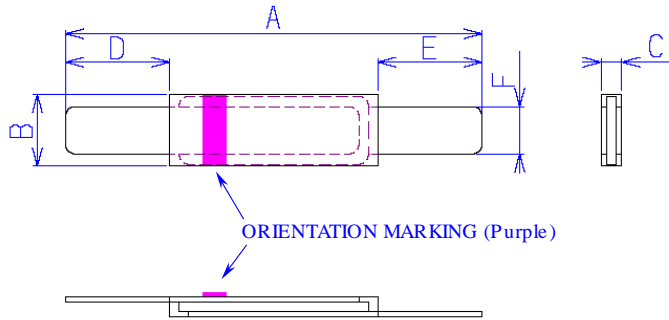
Tape: Polyester (White)  
11.0 mm nominal width

Solder: Lead-free

Lot Marking Ink Color: Green

**Marking:**

- Manufacturer's Mark
- XX R17 — 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:	20.8	23.2	3.5	3.9	---	0.8	4.5	6.5	4.5	6.5	2.4	2.6
in*:	(0.82)	(0.91)	(0.14)	(0.15)	--	(0.03)	(0.18)	(0.26)	(0.18)	(0.26)	(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 25°C	AMPS AT 0°C	AMPS AT 25°C	AMPS AT 60°C	AMPS AT --°C	SECONDS AT 25°C, 8.5A		OHMS AT 25°C		OHMS AT 25°C		WATTS AT 25°C, 12V				
HOLD	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MIN	MAX	MIN	MAX	MIN	MAX	MAX	MAX
1.7	2.4	5.6	1.7	4.1	0.7	1.9	---	---	---	5	0.018	0.032	0.018	0.064	---	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**





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

**PRODUCT: VLR170F**

DOCUMENT: SCD26025  
PCN: D91020  
REV LETTER: C  
REV DATE: JULY 26, 2016  
PAGE NO.: 2 OF 2

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