

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

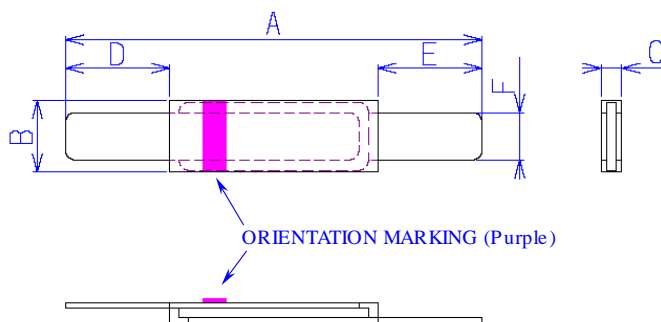


TABLE I. DIMENSIONS:

	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		REFERENCE RESISTANCE		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	
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

ELV Compliant

Pb-Free

Directive 2002/95/EC
Compliant

Directive 2000/53/EC
Compliant



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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