

PolySwitch®

PTC Devices

Overcurrent Protection Device

Raychem Circuit Protection Products

PRODUCT : VLR175F

DOCUMENT: SCD 25501

PCN: A86976

REV LETTER: F

REV DATE: JUNE 25, 2007

PAGE NO.: 1 OF 1

Specification Status: Released

Maximum Electrical Rating

Operating Voltage: 12Vdc

Interrupt Current: 100A

Chip Size: 3 X 12mm

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

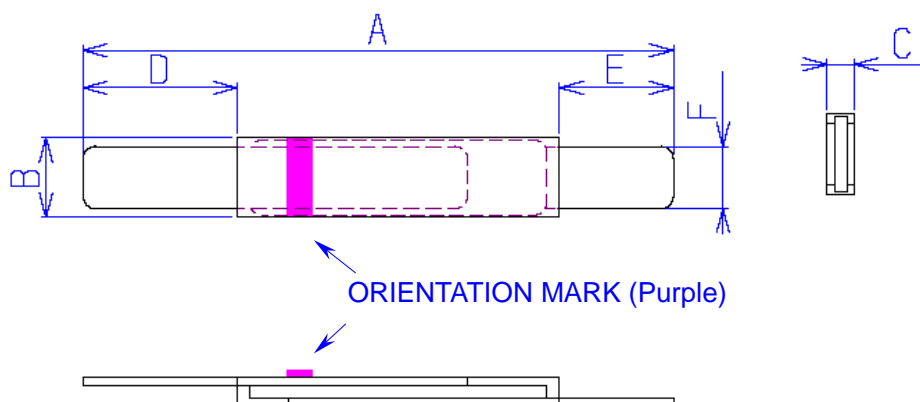


TABLE I. DIMENSIONS:

	A		B		C		D		E		F		G	
	MIN	MAX	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 80°C HOLD	AMPS AT 80°C TRIP	AMPS AT 80°C TRIP		OHMS AT 25°C MIN	OHMS AT 25°C MAX	OHMS AT 25°C MIN	OHMS AT 25°C MAX	WATTS AT 25°C, 12V 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:

Reference Documents:

Precedence:

Effectivity:

CAUTION:

UL, TUV, CSA

PS300

This specification takes precedence over documents referenced herein.

Reference documents shall be the issue in effect on the date of invitation for bid.

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

