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PolySwitch® PTC Devices

Overcurrent Protection Device

Raychem Circuit Protection Products

PRODUCT: VLR175LF

DOCUMENT: SCD 25533 PCN: D34121

REV DATE: JUNE 25, 2007

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REV LETTER: E

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 Part Identification Lot Identification

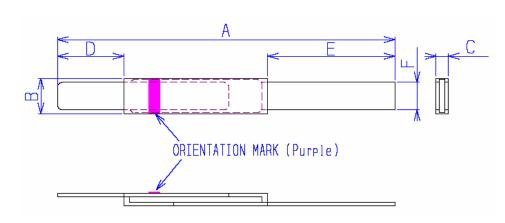


TABLE I. DIMENSIONS:

	А		В		С)	Е		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			CURF	RENT	TRIP LIN	/IITS		TIME	TO	REFERENCE		ONE-HOUR		TRIPPED-	
										ΙP	RESISTANCE		POST-TRIP		STATE
													RESISTANCE		POWER
															DISSIPATION
AMPS	AMPS		AMI	PS	AMPS		AMPS		SECONDS AT		OHMS		OHMS		WATTS AT
25°C	AT 0°C		AT 2	5°C	AT 60°C		AT 80°C		25°C, 8.75A		AT 25°C		AT 25°C		25°C, 12V
HOLD	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MIN	MAX	MIN	MAX	MIN	MAX	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



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