Tyco / Electronics Raychem Circuit Protection

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PolySwitch® **PTC Devices**

Overcurrent Protection Device

PRODUCT: VLR175LF

DOCUMENT: SCD 25533 PCN: D34121 REV LETTER: D

REV DATE: NOVEMBER 14, 2006

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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 X R1X — Part Identification

Lot Identification

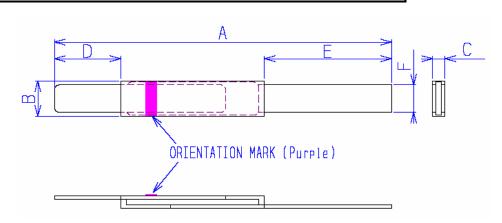


TABLE I. DIMENSIONS:

	Α		В		С		[0	[F	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	29.3	31.7	2.9	3.3		8.0	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	CURRENT TRIP LIMITS									E TO	REFERENCE ONE-HOUR			TRIPPED-		
										RIP	RESISTANCE POST-		Γ-TRIP	STATE		
											RESISTANCI			TANCE	POWER	
															DISSIPATION	
AMPS	AMPS		AMPS AMPS		1PS	AMPS		SECON	IDS AT	AT OHMS		OHMS		WATTS AT		
25°C	AT 0°C		AT 2	25°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

Pb-Free



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