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PolySwitch® PTC Devices

Overcurrent Protection Device

Raychem Circuit Protection Products

PRODUCT: VLR170F

DOCUMENT: SCD26025

PCN: D91020 REV LETTER: B

REV DATE: JUNE 25, 2007

PAGE NO.: 1 OF 1

Specification Status: Released

Maximum Electrical Rating Operating Voltage: 12Vdc

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

R17 — Part Identification



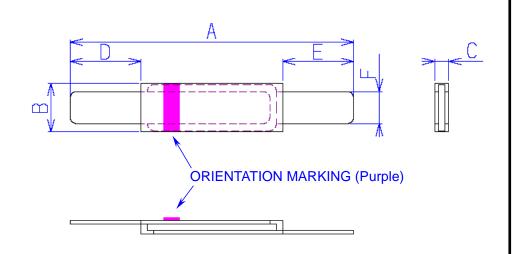


TABLE I. DIMENSIONS:

	A		В		С)	Е		F	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	20.8	23.2	3.5	3.9		8.0	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)
in*:	(0.82)	(0.91)	(0.14)	(0.15)		(0.03)	(0.18)	(0.26)	(0.18)	(0.26)	(0.09)	L

^{*}Rounded off approximation

TABLE II. PERFORMANCE RATINGS: As measured in Mueller Kelvin Clips model BU-75K.

l	I HOLD			CUR	RENT	TRIP LIN	/IITS		TIME	TO	REFERENCE ONE-HOUR			TRIPPED-			
ı									TR	ΙP	RESIS	TANCE	POST-TRIP		STATE		
													RESISTANCE		POWER		
ı												1		DISSIPATION			
ı	AMPS	AMPS		AMPS AMPS		AMPS		SECONDS AT		OHMS		OHMS		WATTS AT			
ı	25°C	AT 0°C		AT 2	T 25°C AT 60°C		AT°C		25°C, 8.5A		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	
L	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

Directive 2000/53/EC Compliant Pb-Free



Directive 2002/95/EC Compliant

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