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Raychem Circuit Protection
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PolySwitch®
PTC Devices
 Overcurrent Protection Device

PRODUCT: VLR170UF

DOCUMENT: SCD 25397
 PCN: A46524
 REV LETTER: B
 REV DATE: FEBRUARY 16, 2005
 PAGE NO.: 1 OF 1

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: None

Solder: Lead-Free

Marking: None

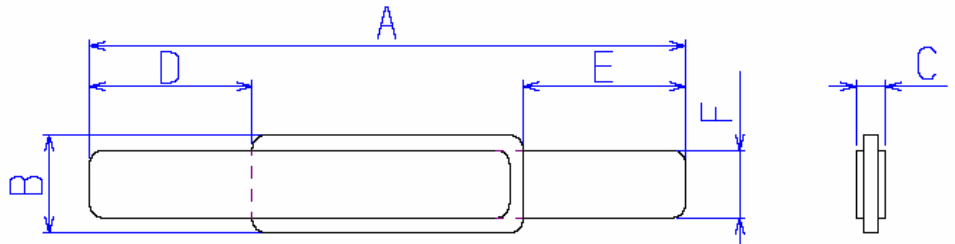


TABLE I. DIMENSIONS:

	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	3.7	---	0.7	5.3	6.7	5.3	6.7	2.4	2.6
in*:	(0.81)	(0.91)	(0.14)	(0.15)	--	(0.03)	(0.21)	(0.26)	(0.21)	(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 HOLD	AMPS AT 0°C HOLD	AMPS AT 25°C TRIP	AMPS AT 60°C HOLD	AMPS AT 60°C TRIP	AMPS AT --°C HOLD	AMPS AT --°C TRIP	SECONDS AT 25°C, 8.5A								
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	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:
 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

