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PolySwitch® **PTC Devices**

Overcurrent Protection Device

Raychem Circuit Protection Products

PRODUCT: VLR230UF

DOCUMENT: SCD 25676 PCN: D49484

REV LETTER: C

REV DATE: JUNE 25, 2007

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Specification Status: Released

Maximum Electrical Rating

Operating Voltage: 12Vdc Interrupt Current: 100A

Chip Size: 5 X 12mm

Leads: Nickel 1/4H

0.125mm nominal thickness

Solder: Lead-free

Tape: None

Marking: None

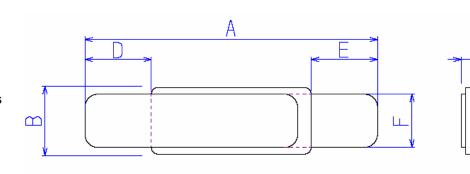


TABLE I. DIMENSIONS:

	Α		В		С)	Е		F	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	20.9	23.1	4.9	5.1		0.7	4.1	6.0	4.1	6.0	3.9	4.1
in*:	(0.82)	(0.91)	(0.19)	(0.20)		(0.03)	(0.16)	(0.24)	(0.16)	(0.24)	(0.15)	(0.16)

^{*}Rounded off approximation

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

	I HOLD	CURRENT TRIP LIMITS									TO	REFER	RENCE	ONE-I	HOUR	TRIP	PED-
											IΡ	RESISTANCE		POST-TRIP		STATE	
														RESISTANCE		POWER	
															DISSIP	ATION	
	AMPS	AMPS		AMI	AMPS AMPS		PS	AMPS		SECONDS AT		OHMS		OHMS		WATTS AT	
	25°C	AT 0°C		AT 25°C		AT 60°C		AT°C		25°C, 10.0A		AT 25°C		AT 25°C		25°C, 12V	
	HOLD	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	TYP	MAX	MIN	MAX	TYP	MAX	TYP	MAX
Ш	2.3	3.4	6.6	2.3	5.0	0.9	2.3			2.4	5	0.012	0.018	0.031	0.036	1.4	2.5

UL, TUV, CSA Agency Recognitions: 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:

Directive 2002/95/EC

Compliant

ROHS Compliant

Directive 2000/53/EC Compliant

ELV Compliant

Pb-Free



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