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## **PolySwitch® PTC Devices**

**Overcurrent Protection Device** 

Raychem Circuit Protection Products

PRODUCT: VTP110F

DOCUMENT: SCD 25357

PCN: A35475 REV LETTER: D

REV DATE: MAY 23, 2007

PAGE NO.: 1 OF 1

## **Specification Status: Released**

## **Maximum Electrical Rating**

Operating Voltage: 16Vdc Interrupt Current: 100A

Chip Size: 2.8 X 9.6mm

Leads: Nickel 1/2H

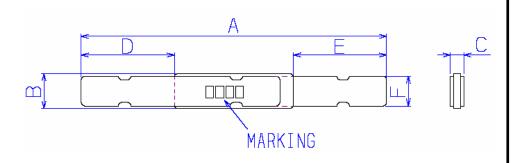
0.125mm nominal thickness

Tape: None

Solder: Lead-free

Marking:

Lot Identification



## **TABLE I. DIMENSIONS:**

	А		В		С			)	Е		F	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	23.6	25.6	2.7	2.9		0.7	7.0	8.0	7.0	8.0	2.3	2.5
in*:	(0.93)	(1.01)	(0.11)	(0.11)		(0.03)	(0.28)	(0.31)	(0.28)	(0.31)	(0.09)	(0.10)

<sup>\*</sup>Rounded off approximation

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

I HOLD	CURRENT TRIP LIMITS									TO	REFE	RENCE	ONE-	HOUR	TRIPPED-	
								TR	ΙP	RESISTANCE		POST	-TRIP	STATE		
													RESISTANCE		POWER	
															DISSIPATION	
AMPS	AMPS		AMI	AMPS AMPS		AMPS		SECONDS AT		OHMS		OHMS		WATTS AT		
25°C	AT 0°C		AT 2	5°C	AT 60°C		AT°C		20°C, 5.5A		AT 25°C		AT 25°C		25°C, 16V	
HOLD	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MIN	MAX	MIN	MAX	MIN	MAX	MAX	
1.1	1.4	3.4	1.1	2.7	0.7	1.7				5	0.038	0.070	0.038	0.140	1.3	

Agency Recognitions: UL, TUV, CSA

PS300 Reference Documents:

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

Directive 2002/95/EC Compliant



**Pb-Free** 

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