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308 Constitution Drive Menlo Park, CA 94025-1164 Phone: 800-227-4856 www.circuitprotection.com

# PolySwitch® PTC Devices

**Overcurrent Protection Device** 

**Raychem Circuit Protection Products** 

PRODUCT: VTP210F

DOCUMENT: SCD 26254

PCN: RF0047 REV LETTER: B

**REV DATE: JUNE 27, 2007** 

PAGE NO.: 1 OF 1

### **Specification Status: Released**

# Maximum Electrical Rating Operating Voltage: 16Vdc Interrupt Current: 100A

Chip Size: 5 X 12mm

Leads: Nickel 1/4H

0.125mm nominal thickness

Solder: Lead-free

mm: in\*:

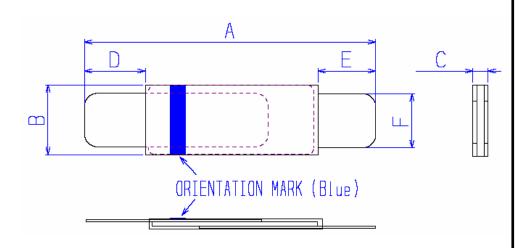
Tape: Polyester (White)

13 mm nominal width

Marking: (Color: Green)

Manufacturer's Mark

Lot Identification



#### **TABLE I. DIMENSIONS:**

	Α		В		С			)	Е		F	
	MIN	MAX										
ո։	20.9	23.1	4.9	5.3	0.6	0.8	4.1	5.8	4.1	5.8	3.9	4.1
	(0.82)	(0.90)	(0.19)	(0.20)	(0.02)	(0.03)	(0.16)	(0.22)	(0.16)	(0.22)	(0.15)	(0.16)

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

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

17.BEE III 1 Ett. Gttii/tttGE 17.ttiitGG. 7.c iii dadai Ga iii iii diiici 17.ctviii Gii go iii dadi BG 7.ctti															
I HOLD			CUR	RENT	TRIP LIN	/IITS		TIME	TIME TO REFERENCE		ONE-HOUR		TRIPPED-		
										ΙP	RESIS	TANCE	POST-TRIP		STATE
													RESISTANCE		POWER
							_					<u> </u>		DISSIPATION	
AMPS	AMPS		AM	AMPS AMPS		IPS	AMPS		SECONDS AT OHMS		OHMS		WATTS AT		
25°C	AT 0°C		AT 2	5°C	AT 60°C		AT°C		25°C, 10.0A		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
2.1	2.9	6.0	2.1	4.7	1.0	2.8				5	0.018	0.030	0.018	0.060	1.5

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** 

Pb-Free

Directive 2002/95/EC Compliant Directive 2000/53/EC Compliant



the LATEST

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