## Tyco / Electronics Raychem Circuit Protection

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## **PolySwitch® PTC Devices**

**Overcurrent Protection Device** 

**PRODUCT: VTP170F** 

DOCUMENT: SCD 25924

PCN: E04213 **REV LETTER: B** 

REV DATE: DECEMBER 17, 2004

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# **Specification Status: Released**

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

Chip Size: 5 x 7mm

Leads: Nickel 1/4H

0.125mm nominal thickness

Solder: Lead-free

Tape: Polyester (White)

6.5 mm nominal width

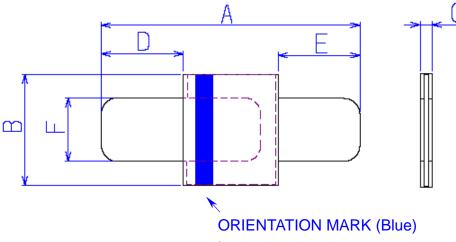
Lot Marking Ink Color (Green)

### Marking:

Manufacturer's Mark

Part Identification







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

	Α		В		С			)	Е		F	
	MIN	MAX										
mm:	15.4	17.5	7.0	7.4	0.5	8.0	4.0	6.2	4.0	6.2	3.9	4.1
in*:	(0.60)	(0.69)	(0.28)	(0.29)	(0.02)	(0.03)	(0.16)	(0.24)	(0.16)	(0.24)	(0.15)	(0.16)

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

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

	TABLE III - Ett Gittin iit GE 17 to iii Gadarda III iii diigi 1 to iii daga Ed 1 o ii																
ı	I HOLD	CURRENT TRIP LIMITS									TO	REFERENCE		ONE-HOUR		TRIPPED-	
ı											ΙP	RESIS	TANCE	POST-TRIP		STATE	
ı														RESISTANCE		POWER	
ı																DISSIPATION	
ı	AMPS	AMPS		AMPS		AM	AMPS		AMPS		SECONDS AT		OHMS		IMS	WATTS AT	
ı	25°C	AT 0°C		AT 25°C		AT 6	30°C	AT°C		25°C, 8.5A		AT 25°C		AT 25°C		25°C, 16V	
ı	HOLD	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MIN	MAX	MIN	MAX	MIN	MAX	MAX	
ı	1.7	2.2	4.5	1.7	3.4	0.8	1.8				5	0.030	0.052	0.030	0.105	1.4	

Agency Recognitions: UL, TUV, CSA

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** 

Directive 2002/95/EC Compliant

**ELV Compliant** 

Directive 2000/53/EC Compliant

Pb-Free



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