

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

## **PolySwitch® PTC Devices**

**Overcurrent Protection Device** 

**PRODUCT: VTP170SSF** 

DOCUMENT: SCD26045

PCN: A33463 **REV LETTER: C** 

**REV DATE: MAY 11, 2011** 

PAGE NO.: 1 OF 1

# **Specification Status: Released**

## Maximum Electrical Rating

Operating Voltage: 16Vdc Interrupt Current: 100A

Chip Size: 7 X 5mm

Leads: Nickel 1/4H

0.125mm nominal thickness

Solder: Lead-free

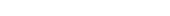
Tape: Polyester (White)

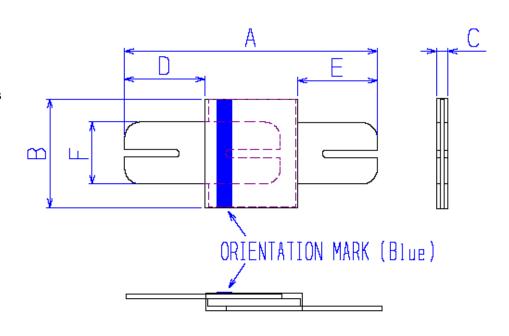
6.5 mm nominal width

Marking: (Color: Green)

- Manufacturer's Mark

V17 — Part Identification ☐ ☐ ☐ ☐ ☐ Lot Identification





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

	A		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*:	(0.61)	(0.69)	(0.28)	(0.29)	(0.20)	(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 Mueller Kelvin Clip model BU-75K.

I HOLD			CURF	RENT	TRIP LIN	/IITS		TIME			RENCE	ONE-HOUR		TRIPPED-	
								TR	IΡ	RESIS	TANCE	POST	-TRIP	STATE	
												RESISTANCE		POWER	
												<u>[</u>		DISSIPATION	
AMPS	AMPS		AMPS AMPS		IPS	AMPS		SECONDS AT OHMS		OHMS		WATTS AT			
25°C	AT 0°C		AT 25°C		AT 60°C		AT°C		25°C, 8.5A		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
1.7	2.2	4.5	1.7	3.4	8.0	1.8				5	0.030	0.052	0.030	0.105	1.4

Agency 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**

Directive 2002/95/EC Compliant

**ELV Compliant** 

Directive 2000/53/EC Compliant

Pb-Free



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