

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: VTP170F

DOCUMENT: SCD25924

REV LETTER: E

REV DATE: JULY 26, 2016

PAGE NO.: 1 OF 2

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

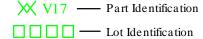
Tape: Polyester (White)

6.5 mm nominal width

Lot Marking Ink Color (Green)

Marking:

Manufacturer's Mark



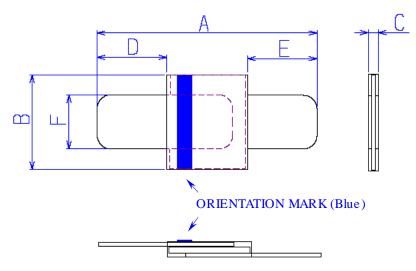


TABLE I. DIMENSIONS:

	Α		В		С)	Е		F	
	MIN	MAX										
mm:	15.4	17.5	7.0	7.4	0.5	0.8	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)

^{*}Rounded off approximation

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

I HOLD			CURR	ENT	TRIP LI	MITS		TIME	TO	REFE	RENC	ONE-	HOUR	TRIPPED-	
								TR	ΙP	E		POST-TRIP		STATE	
										RESIS	STANC	POWER			
										I	E			DISSIPATION	
AMPS	AMPS		AM	AMPS AMPS		IPS	AMPS		SECONDS AT 25°C,		OHMS		OHMS		WATTS AT
25°C	AT 0°C		AT 25°C AT		60°C AT°C		°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	0.8	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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