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PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: VTP145SUF

DOCUMENT: SCD26388 PCN: RF0215

REV LETTER: C REV DATE: MAY 11, 2011 PAGE NO.: 1 OF 1

Specification Status: Preliminary

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

Chip Size: 5 X 7 mm

Leads: Nickel 1/2H

0.1mm nominal thickness

Solder: Lead-free

Tape: None

Marking: None

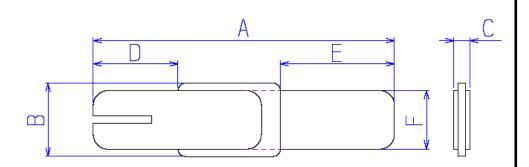


TABLE I. DIMENSIONS:

	Α		В		С)	Е		F	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	19.6	21.6	4.9	5.1		0.7	5.3	6.3	7.3	8.3	3.9	4.1
in*:	(0.77)	(0.85)	(0.19)	(0.20)		(0.02)	(0.20)	(0.24)	(0.28)	(0.32)	(0.15)	(0.16)

*Rounded off approximation

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

I HOLD			CURF	RENT	TRIP LIN	/IITS		TIME	ME TO REFERENCE		ONE-HOUR		TRIPPED-		
								TR	ΙP	RESISTANCE		POST-TRIP		STATE	
													RESISTANCE		POWER
															DISSIPATION
AMPS	AMPS		AMI	PS	S AMPS		AMPS		SECONDS AT OH		IMS	OHMS		WATTS AT	
25°C	AT 0°C		AT 2	AT 25°C AT 60°C		30°C	AT°C		25°C, 7.25A		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
1.45	1.9	4.2	1.45	3.1	0.75	1.7				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:

Materials Information:

Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame.

ROHS Compliant

Directive 2002/95/EC

Compliant

ELV Compliant

Directive 2000/53/EC Compliant

Pb-Free



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