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PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: VTP170XSF

DOCUMENT: SCD26037

PCN: RF0222 REV LETTER: E

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

Specification Status: Released

Electrical Rating Voltage: 16V MAX

Current: 100A MAX

Chip Size: 5 X 7 mm

Leads: Nickel 1/4H

0.125mm nominal Thickness

Tape: Polyester (White)

8.0 mm Width

Solder: Lead-free

Marking: (Color: Green)

— Manufacturer's Mark

✓ V17 —— Part Identification

Lot Identification

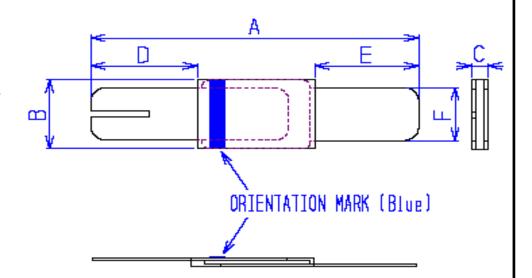


TABLE I. DIMENSIONS:

	А		В		С		D		Е		F	
	Min	MAX										
mm:	20.9	22.9	4.9	5.3	0.5	8.0	6.0	8.6	6.0	8.6	3.9	4.1
in*:	(0.82)	(0.90)	(0.19)	(0.21)	(0.02)	(0.03)	(0.23)	(0.34)	(0.23)	(0.34)	(0.15)	(0.16)

^{*}Rounded off approximation

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

Ш	I HOLD			CURF	RENT T	TRIP LIM	1ITS		TIME TO	REFERENCE ONE-HOUR		HOUR	TRIPPED-		
Ш									TRIP	RESISTANCE		POST-TRIP		STATE	
Ш											RESIS ⁻			TANCE	POWER
Ш														DISSIPATION	
Ш	AMPS	AMPS		AMPS AMPS		IPS	AMPS		SECONDS AT	OHMS		OHMS		WATTS AT	
Ш	25°C	AT 0°C		AT 25°C		AT 6	AT 60°C		-°C	25°C, 8.5A	AT 25°C		AT 25°C		25°C, 16V
I	HOLD	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX	TYP	MAX	MAX
Ш	1.7	2.2	4.5	1.7	3.4	8.0	1.8		ı	5.0	0.030	0.052	0.075	0.105	1.4

Agency Recognition: UL, CSA, TUV

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



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