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# PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: VTP210GF

DOCUMENT: SCD25823  
REV LETTER: D  
REV DATE: JULY 26, 2016  
PAGE NO.: 1 OF 2

## Specification Status: Released

### Maximum Electrical Rating

Operating Voltage: 16Vdc

Interrupt Current: 100A

Leads: Nickel 1/4H  
0.125mm nominal thickness

Solder: Lead-free

Tape: Polyester(White)  
13mm nominal width

Lot Marking Ink Color (Green)

Marking:

— Manufacturer's Mark  
XX V21 — Part Identification  
□ □ □ □ — Lot Identification

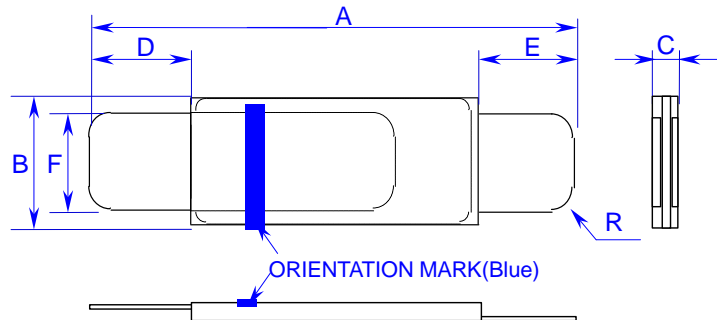


TABLE I. DIMENSIONS:

	A		B		C		D		E		F		R	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	TYP	MAX
mm:	20.9	23.1	4.9	5.3	--	0.8	4.1	5.8	4.1	5.8	3.9	4.1	1.0	--
in*:	(0.82)	(0.91)	(0.19)	(0.21)	--	(0.03)	(0.16)	(0.23)	(0.16)	(0.23)	(0.15)	(0.16)	(0.4)	--

\*Rounded off approximation

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

I HOLD	CURRENT TRIP LIMITS						TIME TO TRIP		REFERENCE RESISTANCE		ONE-HOUR POST-TRIP RESISTANCE		TRIPPED-STATE POWER DISSIPATION
AMPS 25°C HOLD	AMPS AT 0°C		AMPS AT 25°C		AMPS AT 60°C		SECONDS AT 25°C, 10.0A		OHMS AT 25°C		OHMS AT 25°C		WATTS AT 25°C, 16V
	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MIN	MAX	MIN	MAX	MIN	MAX	MAX
2.1	2.9	6.0	2.1	4.7	1.0	2.8	---	5	0.018	0.030	0.018	0.060	1.5

Agency Recognition: UL, CSA, TUV  
Reference Document: 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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