

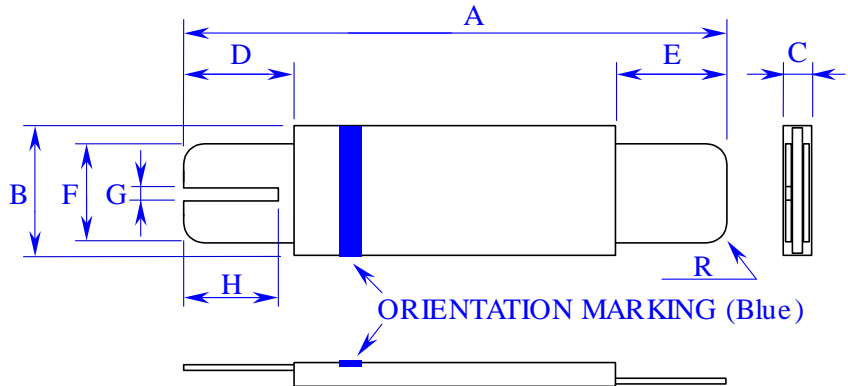
**Specification Status: Released**

**Maximum Electrical Rating**

**Operating Voltage: 16Vdc**  
**Interrupt Current: 100A**  
Chip Size: 5 X 12mm  
Leads: Nickel 1/4H  
0.125mm nominal thickness  
Tape: Polyester  
13.0 mm nominal width

Solder: Lead-Free  
Marking: (Color: Green)

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



**TABLE I. DIMENSIONS:**

| A    |        | B      |        | C      |        | D      |        | E      |        | F      |        | G      |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MIN  | MAX    | MIN    | MAX    | MIN    | MAX    | MIN    | MAX    | MIN    | MAX    | MIN    | MAX    | MIN    | MAX    |        |
| mm:  | 20.9   | 23.1   | 4.9    | 5.3    | 0.6    | 0.8    | 4.1    | 5.8    | 4.1    | 5.8    | 3.9    | 4.1    | 0.3    | 0.7    |
| in*: | (0.82) | (0.91) | (0.19) | (0.21) | (0.02) | (0.03) | (0.16) | (0.23) | (0.16) | (0.23) | (0.15) | (0.16) | (0.01) | (0.03) |

| H    |        | J      |     | K   |     | M   |     | N   |     | P   |     | R      |     |
|------|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|-----|
| MIN  | MAX    | MIN    | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | TYP    | MAX |
| mm:  | 3.8    | 4.2    | --  | --  | --  | --  | --  | --  | --  | --  | --  | 1.0    | --- |
| in*: | (0.15) | (0.17) | --  | --  | --  | --  | --  | --  | --  | --  | --  | (0.04) | --  |

\*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           |      | AMPS AT 0°C |      | AMPS AT 25°C |      | AMPS AT 60°C |      | AMPS AT 80°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 | HOLD         | TRIP | HOLD         | TRIP | TYP                    | MAX   | MIN                           | MAX   | MIN                             | MAX | TYP                | MAX |
|        | 2.1                 | 2.9  | 6.0         | 2.1  | 4.7          | 1.0  | 2.8          | 0.4  | 1.7          | 1.7  | 5                      | 0.018 | 0.030                         | 0.018 | 0.060                           | 1.2 | 1.5                |     |

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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**PolySwitch®**  
**PTC Devices**  
Overcurrent Protection Device

**PRODUCT: VTP210SF**

DOCUMENT: SCD25396

PCN: C02426

REV LETTER: E

REV DATE: JULY 26, 2016

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