

Tyco / Electronics
Raychem Circuit Protection
 308 Constitution Drive
 Menlo Park, CA 94025-1164
 Phone: 800-227-4856
 Fax: 800-227-4866

PolySwitch®
PTC Devices
 Overcurrent Protection Device

PRODUCT: VTP210GF

DOCUMENT: SCD 25823
 PCN: F56527
 REV LETTER: B
 REV DATE: NOVEMBER 16, 2004
 PAGE NO.: 1 OF 1

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)
 13 mm nominal width

Lot Marking Ink Color (Green)

Marking:

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

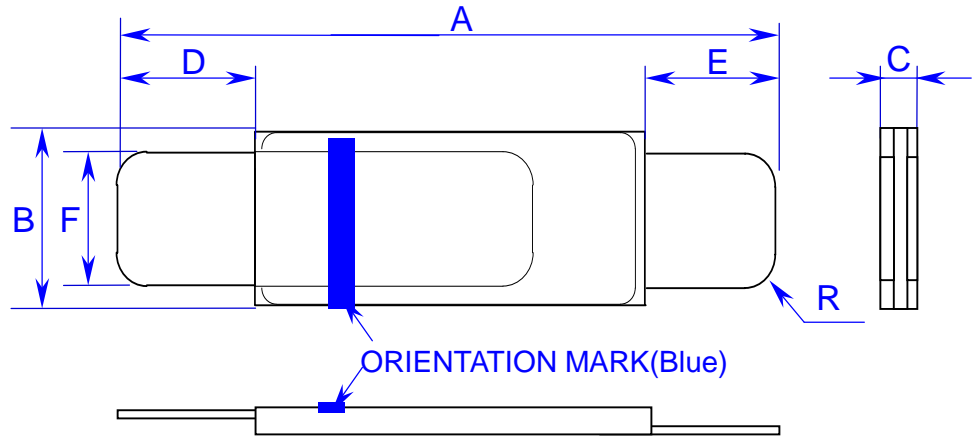


TABLE I. DIMENSIONS:

| | 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 HOLD TRIP | | AMPS AT 25°C HOLD TRIP | | AMPS AT 60°C HOLD TRIP | | AMPS AT --°C HOLD TRIP | | SECONDS AT 25°C, 10.0A MIN MAX | | OHMS AT 25°C MIN 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 Recognitions:
 Reference Documents:
 Precedence:
 Effectivity:
 CAUTION:

UL, CSA, TUV
 PS300
 This specification takes precedence over documents referenced herein.
 Reference documents shall be the issue in effect on the date of invitation for bid.
 Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame.
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