

**Tyco / Electronics**  
**Raychem Circuit Protection**  
 308 Constitution Drive  
 Menlo Park, CA 94025-1164  
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**PolySwitch®**  
**PTC Devices**  
 Overcurrent Protection Device

**PRODUCT: VTP210G**

DOCUMENT: SCD 23833  
 PCN: 471925  
 REV LETTER: F  
 REV DATE: SEPTEMBER 23, 2002  
 PAGE NO.: 1 OF 1

**Specification Status: Released**

**Electrical Rating**

**Voltage: 16V MAX**  
**Current: 100A MAX**

Leads:

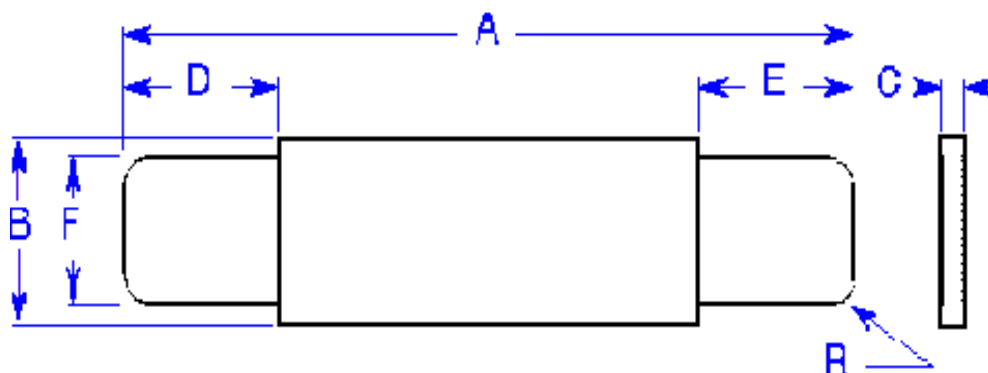
Nickel: 0.125 mm nom.

Tape:

Polyester

Marking:

— 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    | --  | --  |
| 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) | --  | --  |

|      | H   |     | J   |     | K   |     | L   |     | M   |     | N   |     | R       |     |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|-----|
|      | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | TYP     | MAX |
| mm:  | --  | --  | --  | --  | --  | --  | --  | --  | --  | --  | --  | --  | 1.0     | --  |
| in*: | --  | --  | --  | --  | --  | --  | --  | --  | --  | --  | --  | --  | (0.039) | --  |

\*Rounded off approximation

**TABLE II. PERFORMANCE RATINGS:**

| I HOLD | CURRENT TRIP LIMITS |      |  |              |      |              |      |              |      | TIME TO TRIP            |     | REFERENCE RESISTANCE |       | ONE-HOUR POST-TRIP RESISTANCE |       | TRIPPED-STATE POWER DISSIPATION |     |
|--------|---------------------|------|--|--------------|------|--------------|------|--------------|------|-------------------------|-----|----------------------|-------|-------------------------------|-------|---------------------------------|-----|
|        | AMPS AT 0°C         |      |  | AMPS AT 25°C |      | AMPS AT 60°C |      | AMPS AT 80°C |      | SECONDS AT 25°C, 10.0 A |     | OHMS AT 25°C         |       | OHMS AT 25°C                  |       | WATTS AT 25°C, 16V              |     |
|        | HOLD                | TRIP |  | HOLD         | TRIP | HOLD         | TRIP | HOLD         | TRIP | TYP                     | MAX | MIN                  | MAX   | TYP                           | 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 | 0.040                         | 0.060 | 1.2                             | 1.5 |

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.

# Mouser Electronics

Authorized Distributor

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