

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

**Circuit Protection®**  
**PTC Devices**  
 Overcurrent Protection Device

**PRODUCT: SMD200-2018**

DOCUMENT: SCD 23662  
 PCN: 566921  
 REV LETTER: D  
 REV DATE: JUNE 18, 2002  
 PAGE NO.: 1 OF 1

**Specification Status: Released**

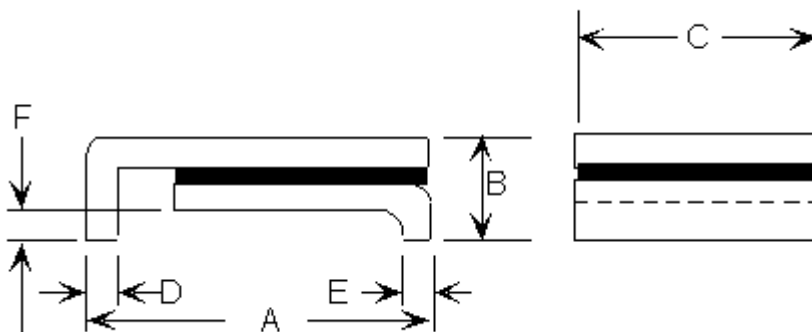
**Maximum Electrical Rating**

Operating Voltage: 6V  
 Interrupt Current: 40A

Marking:

⊗ A20

— Manufacturer's Mark  
 — Part Identification



Notes:

1. All metal surfaces are tin plated.
2. Devices cannot be wave soldered.
3. Drawing not to scale.

**TABLE I. DIMENSIONS:**

|      | A       |         | B   |         | C       |         | D       |         | E       |         | F       |         |
|------|---------|---------|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|      | MIN     | MAX     | MIN | MAX     | MIN     | MAX     | MIN     | MAX     | MIN     | MAX     | MIN     | MAX     |
| mm:  | 4.72    | 5.44    | --  | 1.52    | 4.22    | 4.93    | 0.25    | 0.36    | 0.25    | 0.36    | 0.30    | 0.46    |
| in*: | (0.186) | (0.214) | --  | (0.060) | (0.166) | (0.194) | (0.010) | (0.014) | (0.010) | (0.014) | (0.012) | (0.018) |

\*Rounded off approximation

**TABLE II. PERFORMANCE RATINGS:**

| CURRENT RATINGS** |      |              |      |              |      | TIME TO TRIP**            | RESISTANCE VALUES |       | TRIPPED-STATE POWER DISSIPATION** |
|-------------------|------|--------------|------|--------------|------|---------------------------|-------------------|-------|-----------------------------------|
| AMPS AT 0°C       |      | AMPS AT 20°C |      | AMPS AT 60°C |      | SECONDS AT 20°C, 8.0A MAX | OHMS AT 20°C      |       | WATTS AT 20°C MAX                 |
| HOLD              | TRIP | HOLD         | TRIP | HOLD         | TRIP |                           | MIN               | MAX*  |                                   |
| 2.27              | 4.76 | 2.00         | 4.20 | 1.46         | 3.07 | 3.0                       | 0.048             | 0.100 | 1.5                               |

\* Maximum resistance is measured 1 hour after reflow

\*\* Values specified were determined using PCB's with 0.030"x1.5ounce copper traces

Reference Documents:

Precedence:

Effectivity:

CAUTION:

PS300, E.N. SMD 1.0x

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.