

Tyco/Electronics
Raychem Circuit Protection
 308 Constitution Drive
 Menlo Park, CA 94025-1164
 800-227-4856
 FAX 800-2274866

PolySwitch®
PTC Devices
 Overcurrent Protection Device

PRODUCT: BBR550
 DOCUMENT: SCD 24577
 PCN: 220994
 REV LETTER: I
 REV DATE: MAY 16, 2002
 PAGE NO.: 1 OF 1

Specification Status: Released

Electrical Rating

Voltage: 99V_{AC} MAX
Current: 20A MAX

Insulating Material:
 Cured, Flame Retarded Epoxy Polymer
 meets UL94 V-0 Requirements

Lead Material:
 20 AWG Tin/Lead Plated Copper

Marking:

- Raychem Logo and Voltage
- ⊗ 99 — Part Identification
- B550 — Part Identification
- □ □ □ — Lot Identification (can be on back)

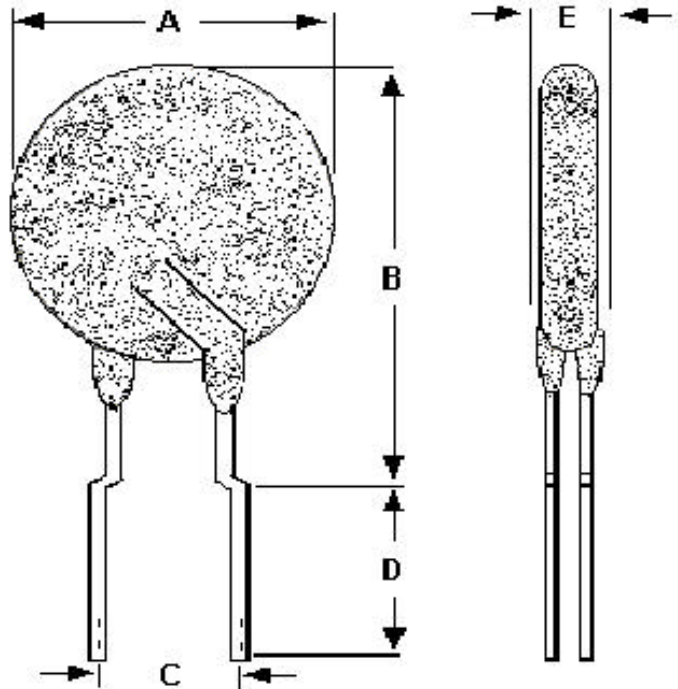


TABLE I. DIMENSIONS:

| | A | | B | | C | | D | | E | |
|------|-----|--------|-----|--------|--------|--------|--------|-----|-----|--------|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MAX | MAX |
| mm: | -- | 10.9 | -- | 14.0 | 4.3 | 5.8 | 7.6 | -- | -- | 3.6 |
| in*: | -- | (0.43) | -- | (0.55) | (0.17) | (0.23) | (0.30) | -- | -- | (0.14) |

*Rounded off approximation

TABLE II. PERFORMANCE RATINGS:

| I HOLD | CURRENT RATINGS | | | | | | TIME TO TRIP | RESISTANCE | | ONE-HOUR POST-TRIP RESISTANCE STANDARD TRIP | NOMINAL TRIPPED POWER DISSIPATION |
|-----------|-----------------|------|--------------|------|--------------|------|---------------------------|--------------|------|---|-----------------------------------|
| | AMPS AT 0°C | | AMPS AT 20°C | | AMPS AT 60°C | | | OHMS AT 20°C | | | |
| 20°C HOLD | AMPS HOLD | TRIP | AMPS HOLD | TRIP | AMPS HOLD | TRIP | SECONDS AT 20°C, 1.6A MAX | MIN | MAX | OHMS AT 20°C MAX | WATTS AT 20°C |
| 0.55 | 0.65 | 1.3 | 0.55 | 1.1 | 0.35 | 0.79 | 60 | 0.8 | 1.30 | 1.95 | 1.5 |

Recognitions: UL , CSA Recognized.
 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