



RTD ELEMENT RESISTANCE @ 0°C = 500 Ω ± 0.12%  
 RTD ELEMENT ACCURACY @ 0°C = ± 0.30°C  
 RTD ELEMENT DIN 43760 ACCURACY CLASS = "B"  
 TCR = 3,850 ppm/°C  
 TEMPERATURE RATING = -50 TO +500°C  
 THERMAL TIME CONSTANT = 15 SECONDS MAXIMUM (1m/SEC MOVING AIR)  
 DISSIPATION CONSTANT = 2 mW/°C NOMINAL (1m/SEC MOVING AIR)  
 MAXIMUM APPLIED CURRENT = 1 mA

SEE MANUFACTURING SPECIFICATION (LAYER 1)

|     |   |          |     |
|-----|---|----------|-----|
| "E" | LEAD WIRE LENGTH WAS 0.300" MINIMUM         | 02/18/16 | DD  |
| "D" | MANUFACTURING SPECIFICATION CHANGE          | 10/11/08 | DD  |
| "C" | LEAD WIRE WAS 32 AWG PLATINUM PLATED NICKEL | 08/25/05 | DD  |
| --- | ISO RELEASE                                 | 04/11/03 | DD  |
| "B" | UPDATED LEAD WIRE AWG & LENGTH, ADDED NOTE  | 08/14/02 | RD  |
| "A" | UPDATED LEAD WIRE AWG & TYPE                | 07/15/02 | RD  |
| REV | REVISION RECORD                             | DATE     | APP |

|          |             |  |
|----------|-------------|--|
| SCALE    | NONE        | U.S. SENSOR CORP.<br>© COPYRIGHT<br>714-639-1000 www.ussensor.com<br>PLATINUM RTD SENSOR<br>P/N PPG501B1 |
| DRAWN BY | DAN DANKERT |  |
| DATE     | 07/15/02    |  |
| REV.     | "E"         |  |
| LAYER    | 0 OF 2      |  |