



RESISTANCE @ +25°C = 5,000 Ω NOMINAL  
 ACCURACY (0 TO +70°C) = ± 0.20°C  
 RESISTANCE/TEMPERATURE CURVE = "J"  
 TEMPERATURE COEFFICIENT @ +25°C = -4.4%/°C NOMINAL  
 BETA "β" (0 TO +50°C) = 3,892°K NOMINAL  
 DISSIPATION CONSTANT = 1 mW/°C NOMINAL  
 THERMAL TIME CONSTANT = 10 SECONDS MAXIMUM (STILL AIR)  
 THERMAL TIME CONSTANT = 1 SECOND MAXIMUM (WELL STIRRED OIL)  
 MAXIMUM TEMPERATURE RATING = +135°C

MAXIMUM STORAGE AND OPERATION TEMPERATURE FOR BEST LONG-TERM STABILITY = +120°C

| REV  | REVISION RECORD       | DATE     | APP |
|------|-----------------------|----------|-----|
| NONE | RELEASE TO PRODUCTION | 05/01/03 | DD  |
|      |                       |          |     |

|                         |                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| SCALE NONE              | © COPYRIGHT<br><b>U.S. SENSOR CORP.</b><br>714-639-1000 <a href="http://www.ussensor.com">www.ussensor.com</a><br><b>NTC THERMISTOR</b><br>P/N KT502J2 |
| DRAWN BY<br>DAN DANKERT |                                                                                                                                                        |
| DATE 05/01/03           |                                                                                                                                                        |
| REV. NONE               |                                                                                                                                                        |
| LAYER 0 OF 1            |                                                                                                                                                        |