REQUIREMENTS:

1. GENERAL:
   a. UNITS SHALL BE CAPABLE OF MEETING THE APPLICABLE REQUIREMENTS OF MIL-R-93 CHARACTERISTIC C; EXCEPT AS AND IN ADDITION TO THE REQUIREMENTS SPECIFIED HEREIN.
   b. PACKAGING: UNITS SHALL BE PACKAGED PER MIL-R-93, LEVEL A.
   c. SUPPLIER SHALL CONFORM TO THE QUALITY ASSURANCE PROVISIONS OF MIL-STD-464 CLASS 2.
   d. INTERPRET DRAWING SYMBOLS, ABBREVIATIONS AND REFERENCE DESIGNATIONS IN ACCORDANCE WITH GOVERNMENT STANDARDS PRESCRIBED IN MIL-D-70327.
   e. INTERPRET DRAWING SYMBOLS, ABBREVIATIONS AND REFERENCE DESIGNATIONS IN ACCORDANCE WITH GOVERNMENT STANDARDS PRESCRIBED IN MIL-D-70327.

2. INSPECTION AND ACCEPTANCE:
   a. RESISTANCE VALUES: SEE TABLE.
   b. RESISTANCE TOLERANCE: SEE TABLE.
   c. TEMPERATURE COEFFICIENT: ABOVE 10°C 15 PPM/°C.
   d. LEAD DATA: UNITS SHALL HAVE MELDABLE GRADE A NICKEL LEADS.
   e. MARKING: MARK UNITS PER MIL-STD-130 WITH THE NASA PART NUMBER AND REVISION LETTER AND THE MANUFACTURER'S NAME AND/OR SYMBOL.

3. DESIGN REQUIREMENTS:
   a. POWER RATING: 1/10 WATT AT 125°C DERATED TO ZERO AT 145°C.
   b. MAXIMUM VOLTAGE RATING: 150 VOLTS.
   c. STABILITY: 100 PPM/YEAR AT 25°C AT 1/2 RATED POWER.
   d. TEMPERATURE RANGE: MINUS 65°C TO PLUS 125°C.
   e. EACH LEAD SHALL BE CAPABLE OF WITHSTANDING TWO (2) BENDS SUBJECT TO TESTED VERTICAL PULL (LEADS VERTICAL WITH RESPECT TO UNIT BODY), TWO (2) BENDS SHALL BE COMPLETED BY MOVING THE BODY OF THE UNIT, WHILE IN THE PLANE, THROUGH 90° IN ONE DIRECTION, THEN BACK 180° TO THE OPPOSITE DIRECTION AND BACK 90° TO THE ORIGINAL POSITION. NO MECHANICAL DAMAGE OR LOSS OF PERFORMANCE SHALL BE EVIDENCED AFTER THE TEST.
   f. EACH LEAD SHALL BE CAPABLE OF WITHSTANDING AN AXIAL PULL OF FOUR (4) POUNDS MINIMUM.

4. SPECIAL CONDITIONING BY SUPPLIER:
   a. BURN IN: 100 HOURS @ 125°C @ 1/10 WATT (AC OR DC), REJECT ANY PART WHICH CHANGES MORE THAN 0.1% OR CANNOT MEET LIST OF MATERIALS PURCHASE TOLERANCE.

NOTES:

1. RESISTANCE VALUES ABOVE 35K ARE NOT AVAILABLE IN FRACTIONS DECIMALS.

PRODUCE ONLY FROM APPROVED SOURCES LISTED ON ND001034 FOR THIS DRAWING.