REQUIREMENTS:

1. GENERAL:
   A. UNITS SHALL BE CAPABLE OF MEETING THE REQUIREMENTS OF SPECIFICATION MIL-R-26 FOR INSULATED TYPE; EXCEPT AS SPECIFIED HEREIN.
   B. UNITS SHALL BE CAPABLE OF MEETING THE QUALIFICATION REQUIREMENTS SPECIFIED IN ND 1002027 UNLESS MODIFIED OR AMENDED BY THE DESIGN REQUIREMENTS SECTION OF THIS DRAWING.
   C. SUPPLIER SHALL CONFORM TO THE QUALITY ASSURANCE PROVISIONS SPECIFIED IN ND 1015404, CLASS 2.
   D. INTERPRET DRAWING SYMBOLS, ABBREVIATIONS AND REFERENCE DESIGNATIONS IN ACCORDANCE WITH GOVERNMENT STANDARDS PRESCRIBED IN MIL-D-70327.

2. INSPECTION AND ACCEPTANCE
   A. ELECTRICAL REQUIREMENTS:
      (1) RESISTANCE VALUE: PER TABLE 
      (2) RESISTANCE TOLERANCE: ±1%
   B. MECHANICAL REQUIREMENTS:
      (1) LEADS: IRON NICKEL ALLOY COPPER CLAD GOLD PLATED PER NASA SPECIFICATION PS 1015401, A CERTIFICATE OF COMPLIANCE OF LEAD MATERIAL SHALL ACCOMPANY EACH LOT SHIPPED.
      (2) MARKING: MARK UNITS PER ND1002019 WITH MANUFACTURER'S NAME AND/OR SYMBOL, NASA PART NUMBER, AND REVISION LETTER, MANUFACTURER'S PART NUMBER MAY APPEAR ON THE PART OR PACKAGE. MARKING OF UNIT PACKAGES AND EXTERIOR SHIPPING CONTAINERS SHALL INCLUDE NASA PART NUMBER AND REVISION LETTER. REFER TO UNIT BODY), TWO (2) BENDS SHALL BE ACCOMPLISHED BY MOVING THE BODY OF THE UNIT, WHILE IN THE SAME PLANE, THROUGH 90° IN ONE DIRECTION THEN BACK 180° TO THE OPPOSITE DIRECTION, THEN BACK 90° TO THE ORIGINAL POSITION. NO MECHANICAL DAMAGE OR LACK OF PERFORMANCE SHALL BE EVIDENCES AFTER THE TEST.
   C. THERMAL REQUIREMENTS:
      (1) TOLERANCES ON RESISTANCE VALUE: PER TABLE
      (2) RESISTANCE TOLERANCE: +1%
      (3) TEMPERATURE COEFFICIENT:
         1 OHM AND BELOW = +100 PPM/°C (+.05 OHMS)
         1 OHM TO 19.9 OHMS = +50 PPM/°C
         20 OHMS TO 2000 OHMS = +30 PPM/°C
         2000 OHMS TO 10000 OHMS = +20 PPM/°C
         10000 OHMS TO 100000 OHMS = +10 PPM/°C
         100000 OHMS TO 1000000 OHMS = +5 PPM/°C
         1000000 OHMS TO 10000000 OHMS = +2.5 PPM/°C
         10000000 OHMS TO 100000000 OHMS = +1.25 PPM/°C
   D. EACH LEAD SHALL BE CAPABLE OF MEETING THE REQUIREMENTS OF SPECIFICATION MIL-R-26 FOR INSULATED TYPE; EXCEPT AS SPECIFIED IN ND 1015404, CLASS 2.

3. DESIGN REQUIREMENTS:
   A. PER MIL-R-26 EXCEPT AS MODIFIED BY THIS DRAWING.
   B. USE DESIGNATION: 1 WATT AT +25°C, DERATED PER CHART.
   C. TEMPERATURE COEFFICIENT:
      1000 OHMS AND ABOVE = +20 PPM/°C
      30 OHMS TO 1000 OHMS = ±20 PPM/°C
      1 OHM AND BELOW = ±50 PPM/°C
   D. EACH LEAD SHALL BE CAPABLE OF MEETING THE REQUIREMENTS OF SPECIFICATION MIL-R-26 FOR INSULATED TYPE; EXCEPT AS SPECIFIED IN ND 1015404, CLASS 2.

4. SPECIAL CONDITIONING BY SUPPLIER:
   A. BURN-IN: UNITS SHALL BE BURNED-IN FOR 100 HRS AT 25°C AND RATED WATTAGE 1-1/2 HRS ON, 1/2 HR OFF, UNITS THAT EXCEED THE INITIAL TOLERANCE OR CHANGE MORE THAN .5% SHALL BE REJECTED.

PROCURE ONLY FROM APPROVED SOURCES LISTED IN ND 1002024 FOR THIS DRAWING.

[Table of Resistors and Specifications]

[Diagram of Operating Chart]

[Notes on Designation and Revision]