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NOTES:

1. GENERAL REQUIREMENTS:
   A. UNITS SHALL MEET THE REQUIREMENTS OF SPECIFICATION MIL-R-26, CHARACTERISTIC G, FOR INSULATED TYPES; EXCEPT AS AND IN ADDITION TO THE REQUIREMENTS SPECIFIED HEREIN, MILITARY QUALIFICATION TESTING IS NOT REQUIRED.

2. ELECTRICAL REQUIREMENTS:
   A. POWER RATING: 3 WATTS.
   B. RESISTANCE TOLERANCE: ± 1%.
   C. TEMPERATURE COEFFICIENT: ± 20 PPM/°C.
   D. MAXIMUM RATED CONTINUOUS WORKING VOLTAGE: 150 VOLTS.

3. CONSTRUCTION REQUIREMENTS:
   A. RESISTANCE ELEMENT: RESISTANCE WIRE USED SHALL HAVE A MINIMUM DIAMETER OF 0.001 INCH.
   B. HOUSING: METAL TUBING.
   C. LEADS: NICKEL ALLOY PER NASA SPECIFICATION PS 1015400.
      A CERTIFICATE OF COMPLIANCE OF LEAD MATERIAL SHALL ACCOMPANY EACH LOT SHIPPED.
      EACH LEAD SHALL BE CAPABLE OF WITHSTANDING TWO (2) BENDS UNDER A TWO (2) POUND VERTICAL PULL (LEAD VERTICAL WITH RESPECT TO UNIT BODY). TWO (2) BENDS SHALL BE ACCOMPLISHED BY MOVING THE BODY OF THE UNIT, WHILE IN THE SAME PLANE, THROUGH 180° 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 EVIDENCED AFTER THE TEST.
   D. MARKING: MARK UNITS PER MIL-STD-130 WITH MANUFACTURER'S NAME AND/OR SYMBOL, TYPE NUMBER, RESISTANCE VALUE, TOLERANCE, POWER RATING.
      MARKING OF UNIT PACKAGES AND EXTERIOR SHIPPING CONTAINERS SHALL INCLUDE NASA DRAWING NUMBER AND REVISION LETTER.

4. QUALIFICATION:
   A. UNITS SHALL MEET THE REQUIREMENTS OF ND1002097.

5. QUALITY ASSURANCE REQUIREMENTS:
   A. SUPPLIERS SHALL CONFORM TO THE QUALITY ASSURANCE PROVISIONS CONTAINED IN NASA SPECIFICATION ND 1015404, CLASS 2.

6. TEST REQUIREMENTS:
   A. BURN-IN TEST: THE MANUFACTURER SHALL BURN-IN ALL RESISTORS FOR 100 HOURS AT +25°C AT 3 WATTS. RESISTANCE CHANGE SHALL NOT BE GREATER THAN 0.5% AND SHALL NOT EXCEED THE INITIAL PURCHASE TOLERANCE.

2. INTERPRET DRAWING

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MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

INSTRUMENTATION LAB

RESISTOR, FIXED, WIREWOUND
SPECIFICATION CONTROL DRAWING

PRODUCE ONLY FROM APPROVED SOURCES LISTED ON ND1002034 FOR THIS DRAWING.
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### BASIC RESISTANCE MULTIPLIERS

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**DATE**

3-1-63

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**RESISTOR, FIXED, WIREWOUND**

**SPECIFICATION CONTROL DRAWING**

**MANNED SPACECRAFT CENTER**

HOUSTON, TEXAS

**INSTRUMENTATION LAB**

**HEAT TREATMENT**

**FINAL FINISH**

**MATURITY**

**LIST OF MATERIALS**

**THEM**

**INCHES**

**PHOTOGRAPHIC SCALE ONLY**