**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 1015401, CLASS 2.
   - 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.
   - E. Packaging: Units shall be packaged in accordance with ND 100219.

2. **Inspection and Acceptance**
   - A. Electrical Requirements:
     1. Resistance value: Per Table
     2. Resistance tolerance: ± 1%
   - B. Mechanical Requirements:
     2. Wafer, Wafer Units Per NASA 1015401, With Manufacturer's name and/or symbol, NASA Part number, and Revision Letter, Date Code. 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, Per MIL-STD-129.

3. **Design Requirements:**
   - A. Per MIL-R-26 Except as Modified by this Drawing.
   - B. Power Rating: 1 Watt at ±25°C, derated per chart.
   - C. Temperature Coefficient: ± 30 ppm/°C up to ±275°C.
   - D. Each Lead shall be capable of withstanding two (2) bends under a two (2) pound vertical pull (leads 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 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 evidenced after the test.
   - E. Mechanical Strength: Per MIL-R-26 Except 5 lb, Max Load

4. **Special Conditioning by Supplier:**
   - A. Burn-In: Units shall be burned-in for 100 hours at ±25°C and rated wattage 1 1/2 hours on, 1/2 hour off. Units that exceed the initial tolerance or change more than .5% shall be rejected.

**List of Materials**

<table>
<thead>
<tr>
<th>QTY</th>
<th>PART OR IDENTIFYING NO.</th>
<th>NOMENCLATURE OR DESCRIPTION</th>
<th>FIND NO.</th>
</tr>
</thead>
</table>

**Resistor, Fixed, Wirewound**

**Manned Spacecraft Center**

Houston, Texas

**Encoder**

C-1010504

**Specifications Control Drawing**

1 Watt