**REQUIREMENTS:**

**GENERAL:**
- Units shall be capable of meeting the requirements of Specification MIL-R-26 for insulated type; except as specified herein.
- Units shall be capable of meeting the qualification requirements specified in ND 1002057 unless modified or amended by the design requirements section of this drawing.
- Supplier shall conform to the quality assurance provisions specified in ND 1015404, Class 2.
- Interpret drawing symbols, abbreviations, and reference designations in accordance with Government Standards prescribed in MIL-D-70327.

**PACKAGING:**
- Units shall be packaged in accordance with ND 1002129.

**INSPECTION AND ACCEPTANCE**

**ELECTRICAL REQUIREMENTS:**
- Resistance Value: Per Table
- Resistance Tolerance: ± 1%

**MECHANICAL REQUIREMENTS:**
- 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.
- Marking: Mark units per MIL-STD-130 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.

**DESIGN REQUIREMENTS:**
- Per MIL-R-26 except as modified by this drawing. Power Rating: 1 watt at +25°C, derated per chart. Temperature coefficient: ± 30 ppm/°C up to +275°C.
- Each lead shall be capable of standing 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 to the opposite direction, then back 90° to the original position. No mechanical damage or lack of performance shall be evidenced after the test.
- Mechanical strength: Per MIL-R-26 except 5 lb. max load.

**SPECIAL CONDITIONING BY SUPPLIER:**
- 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 100234 FOR THIS DRAWING.**

**DERATING CHART**

<table>
<thead>
<tr>
<th>Temperature (°C)</th>
<th>% Rated Wattage</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>100</td>
</tr>
<tr>
<td>50</td>
<td>75</td>
</tr>
<tr>
<td>75</td>
<td>50</td>
</tr>
<tr>
<td>100</td>
<td>25</td>
</tr>
</tbody>
</table>

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**NOTE:** The complete part number is this drawing number plus the applicable dash number.