### 1. General:
A. Internet drawing in accordance with standards prescribed by MIL-O-75377.  
B. Units shall meet the requirements of MIL-STD-93 with any additions and exceptions as noted herein. Units shall be capable of meeting the qualification requirements of MIL-STD-872.  
C. Supplier shall conform to the quality assurance provisions as contained in MIL-S-12490 class 3.  
D. Marking: Units shall be marked in accordance with MIL-STD-130 with resistance value, tolerance, manufacturer's name or symbol, and part number. The container shall be marked in accordance with MIL-STD-129 with the manufacturer's name identifying number, 1st or name, NASA drawing number, dash number, and revision letter, and lot code.  
E. Leads shall be nickel in accordance with MIL-S-12490.  
F. A certificate of compliance with this requirement shall accompany each shipment.

### 2. Acceptance and Inspection:
A. Mechanical dimensions per drawing.  
B. Electrical:  
   1. Resistance shall be as specified in Table.  
   2. Resistance shall be measured 3/8" 1/8 inch from the resistor body.  
   3. Resistance shall be measured with 0% air and 50% RH.  
C. Design requirements:  
   A. Power rating: 1/4 Watt.  
   B. Operating temperature range: -55°C to 145°C.  
   C. Temperature coefficient: 50 ppm/°C.

### 3. Special conditioning by supplier:
A. Temperature cycling  
   1. All resistors shall be temperature cycled in accordance with MIL-STD-93 Paragraph 4.4.4.  
   2. All parts not meeting Paragraph 4.4.4, and 3 after test shall be rejected.
B. Burn-in:  
   1. All resistors shall be subjected to a 50 hour full power burn in at 125°C ambient temperature. Units exhibiting a variation of resistance in excess of 0.20% shall be rejected. Resistance shall be measured before and after test, and data identifying (.6 each resistor supplied with each shipment.

### Design Application Derating Curve

### Table: Resistance Values
<table>
<thead>
<tr>
<th>No.</th>
<th>Resistance in Ohms</th>
<th>Tolerance</th>
<th>Resistance in Ohms</th>
<th>Tolerance</th>
</tr>
</thead>
<tbody>
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<td>0.01</td>
<td>10</td>
<td>0.1</td>
</tr>
<tr>
<td>2</td>
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<td>0.02</td>
<td>20</td>
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<tr>
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<td>30</td>
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<tr>
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<tr>
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<td>0.09</td>
<td>90</td>
<td>0.9</td>
</tr>
<tr>
<td>10</td>
<td>1.0</td>
<td>1.0</td>
<td>100</td>
<td>1.0</td>
</tr>
</tbody>
</table>

### Special Notes
- REJECT ALL PARTS NOT MEETING PARAGRAPH 2.8.1, AND 3 AFTER TEST SHALL BE REJECTED.
- HEAT TREATMENT: NONE
- MATERIAL: SEE NOTES
- INSTRUMENTATION LAB: MANNED SPACECRAFT CENTER, HOUSTON, TEXAS
- RESISTOR, FIXED, WIREWOUND SPECIFICATION CONTROL DRAWING
- DRAWN BY: DATE OF ISSUE: CHECKED BY: DATE OF ISSUE: APPROVED: DATE OF ISSUE: APPR. No. 328-01-50-1006788
- CODE IDENT NO.: C 1006788
- SHEET: 1 OF 1
- SCALE: NONE
- WT APPROVED: SHEET: 1 OF 1

PROCURE ONLY FROM APPROVED SOURCES LISTED ON ND 1002054 FOR THIS DRAWING.