REVISIONS

SEE NOTE 1.

REPLACES REV J WITH CHANGES AND UPGRADED TO CLASS A RELEASE 06/25/83

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REQUIREMENTS:

1. GENERAL:
   A. UNITS SHALL BE CAPABLE OF MEETING THE APPLICABLE REQUIREMENTS OF MIL-R-93 CHARACTERISTIC C EXCEPT AS AND IN ADDITION TO THE REQUIREMENTS SPECIFIED HEREIN.
   B. PACKAGING: UNITS SHALL BE PACKAGED PER MIL-F-21.
   C. SUPPLIER SHALL CONFORM TO THE QUALITY ASSURANCE PROVISIONS OF NO 1015640 CLASS 2.

2. INSPECTION AND ACCEPTANCE:
   A. RESISTANCE VALUES: SEE TABLE.
   B. RESISTANCE TOLERANCE: SEE TABLE.
   C. TEMPERATURE COEFFICIENT: ABOVE .15 PPM/°C EXCEPT AS SPECIFIED IN NOTE 1.
   D. LEAD DATA: WELDABLE GRADE A GOLD PLATED NICKEL.
   E. MARKING: MARK UNITS PER MIL-1002019 WITH THE NASA PART NUMBER AND REVISION LETTER AND THE MANUFACTURER'S NAME AND/OR SYMBOL.
   F. MARKING OF UNIT PACKAGES AND EXTERIOR SHIPPING CONTAINERS SHALL INCLUDE NASA PART NUMBER AND REVISION LETTER PER MIL-STD-129.

3. DESIGN REQUIREMENTS:
   A. POWER RATING: 1/10 WATT AT +125°C DERATED TO ZERO AT 145°C.
   B. VOLTAGE RATING: 150 VOLTS.
   C. STABILITY: 1/100 PPM/YEAR AT +25°C AT 1/2 RATED POWER.
   D. TEMPERATURE RANGE: MINUS 65°C TO PLUS 125°C.
   E. 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 A PLANE THROUGH 90° IN ONE DIRECTION, THEN PACK 180° TO THE OPPOSITE DIRECTION AND BACK 90° TO THE ORIGINAL POSITION, NO MECHANICAL DAMAGE OR LACK OF PERFORMANCE SHALL BE EVIDENCED AFTER THE TEST.
   F. EACH LEAD SHALL BE CAPABLE OF WITHSTANDING AN AXIAL PULL OF FOUR (4) POUNDS MINIMUM.

4. SPECIAL CONDITIONING BY SUPPLIER:
   A. BURN IN: 100 HOURS @ 125°C 1/10 WATT (AC OR DC), REJECT ANY PART WHICH CHANGES MORE THAN 0.1% OR CANNOT MEET PURCHASE TOLERANCE.

NOTES:

1. RESISTANCE VALUES ABOVE 35K OHMS NOT AVAILABLE, PER THE REQUIREMENTS OF THIS DRAWING AND MIL-R-93, USING .001 MIN. DIA. WIRE.

PROCURE ONLY FROM APPROVED SOURCES LISTED ON NO. 01002034 FOR THIS DRAWING.
<table>
<thead>
<tr>
<th>RESISTORS, FIXED</th>
<th>DASH NOMINAL RES</th>
<th>DASH NOMINAL RES</th>
</tr>
</thead>
<tbody>
<tr>
<td>478 Ohms</td>
<td>+0.1°C/0.1% between the temperatures of -4°C to +65°C.</td>
<td>225 Ohms</td>
</tr>
</tbody>
</table>

The table contains values for different resistors and their tolerances. The table is continued with more values, each with specific tolerances and changes noted.

For example:
- 478 Ohms with a tolerance of +0.1°C/0.1% is specified.
- The resistors are further detailed with specific parts and values.

Note: The values are shown with a mix of Chinese characters and numerical values, indicating a detailed specification sheet. The table is extensive, covering various resistor values and their specifications.