NOTICE — WHEN GOVERNMENT DRAWINGS, SPECIFICATIONS, OR OTHER DATA ARE USED OR REFERENCED, IT IS UNDERSTOOD THAT THE GOVERNMENT MAY HAVE FORMULATED, FURNISHED, OR SENT SUCH DATA, AND THE FACT THAT THE GOVERNMENT MAY HAVE FORMULATED, FURNISHED, OR SENT THEREBY, DOES NOT IMPLY OR OTHERWISE REGARD THE SAID DRAWINGS, SPECIFICATIONS OR OTHER DATA AS IN ANY MANNER PATENTED INVENTION THAT MAY IN ANY WAY BE RELATED THERETO, OR ANY RIGHTS OR PERMISSION TO MANUFACTURE, USE, OR SELL ANY UPON MODIFICATION, RELEASE, OR MODIFICATION TAKEN TO ATTAIN COMPLIANCE WITH THE REQUIREMENTS OF THIS DRAWING.

1. GENERAL:
   A. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-30722.
   B. THESE CAPACITORS SHALL CONFORM TO THE REQUIREMENTS OF MIL-C-26655/1B FOR TYPE C59 CHARACTERISTIC C, WITH THE EXCEPTIONS AND ADDITIONS SPECIFIED IN THIS DRAWING.
   C. SUPPLIER SHALL COMPLY WITH THE QUALITY ASSURANCE PROVISIONS IN NO 1015504 CLASS 2.
   D. PERIODIC INSPECTIONS MAY BE SATISFIED BY THE SUBMISSION AND ACCEPTANCE OF CERTIFIED TEST DATA FOR PURCHASED MATERIAL.
   E. CAPACITORS SHALL BE PACKAGED IN ACCORDANCE WITH SUPPLIERS NORMAL COMMERCIAL PRACTICE PER LEVEL C AS DEFINED IN MIL-C-26655.

2. INSPECTION AND ACCEPTANCE:
   A. MECHANICAL DIMENSIONS AND TOLERANCES PER DRAWING.
   B. LEAD MATERIAL MATERIAL SHALL BE NICKEL IN ACCORDANCE WITH NO PS1015400.
   C. CERTIFICATION OF COMPLIANCE SHALL ACCOMPANY EACH SHIPMENT.
   D. LEADS SHALL WITHSTAND A 4 POUND PULL MINIMUM WITHOUT IMPAIRMENT OF PERFORMANCE.
   E. LEADS SHALL WITHSTAND THE BEND TEST AS SPECIFIED IN MIL-C-26655 EXCEPT THE WEIGHT SHALL BE 2 POUNDS.

3. DESIGN REQUIREMENTS:
   A. THE CAPACITORS SHALL MEET THE REQUIREMENTS OF MIL-C-26655/1B FOR:
      (1) DISSIPATION FACTOR.
      (2) STABILITY AT HIGH AND LOW TEMPERATURES.
      (3) OPERATING TEMPERATURE RANGE (-55°C TO +85°C).
      (4) 125°C OPERATION WITH DERATING PER MIL-C-26655/1B.

4. SPECIAL CONDITIONING BY SUPPLIER:
   A. EVERY SHIPMENT SHALL BE TESTED ON A 100% BASIS, BY THE METHODS SPECIFIED TO ELIMINATE ALL SUBSTANDARD OR POTENTIALLY SUBSTANDARD UNITS.
   B. BURN-IN: TO ELIMINATE ALL DEFECTIVE COMPONENTS.
   C. EQUIVALENT SERIES RESISTANCE AT 25°C:
      - UNITS SPECIFIED IN TABLE 2 SHALL NOT BE SCREWNED FOR THE MAXIMUM ERROR BY PLACING UIFIT TO ATTAINOLSIBILITY AMU-CALCULATING
      - THE FORMULAE:
        \[
        ESR = 0.5 \times \frac{0.41 \times R_1}{2 \times E_1 \times C_1}
        \]
        WHERE:
        - E_1 = AC COMPONENT ACROSS R (RMS)
        - R_1 = AC COMPONENT ACROSS R (RMS)
        - E_2 = AC VOLTAGE APPLIED (RMS)
        - R_2 = VALUE FROM TABLE II

   TABLE I

<table>
<thead>
<tr>
<th>CASE</th>
<th>NOMINAL VOLTAGE</th>
<th>DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>RATING PER TABLE II.</td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>400 MIN 2 LEADS</td>
<td>.384 .151 .422</td>
</tr>
<tr>
<td>B</td>
<td>0.020 (A)</td>
<td>.572 .201 .410</td>
</tr>
<tr>
<td>C</td>
<td>0.020 (A)</td>
<td>.784 .295 .422</td>
</tr>
<tr>
<td>D</td>
<td>0.020 (A)</td>
<td>.884 .337 .522</td>
</tr>
</tbody>
</table>

   TABLE II

<table>
<thead>
<tr>
<th>LEAD SIZE</th>
<th>X B</th>
<th>Y C</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>20</td>
<td>24</td>
</tr>
<tr>
<td>B</td>
<td>20</td>
<td>32</td>
</tr>
<tr>
<td>C</td>
<td>20</td>
<td>24</td>
</tr>
<tr>
<td>D</td>
<td>20</td>
<td>32</td>
</tr>
</tbody>
</table>

   SHEET 1 OF 2

   REVERSIBILITY STATUS OF REVISIONS

   E QUALITY ASSURANCE ALL MATERIAL
   C MANUFACTURER'S NAME AND/OR SYMBOL, TYPE NUMBER, CAPACITANCE VALUE

   D MANUFACTURER'S NAME AND/OR SYMBOL, TYPE NUMBER, CAPACITANCE VALUE

   MASTERS

   NOT LIFE-MADE SPACECRAFT CENTER

   NOT LIFE-MADE SPACECRAFT CENTER

   NOT LIFE-MADE SPACECRAFT CENTER

   NOT LIFE-MADE SPACECRAFT CENTER

   NOT LIFE-MADE SPACECRAFT CENTER

   NOT LIFE-MADE SPACECRAFT CENTER