REQUIREMENTS:

1. GENERAL:
   A. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
   B. THESE CAPACITORS SHALL CONFORM TO THE REQUIREMENTS OF MIL-C-26655/1B FOR
      STYLE C5S CHARACTERISTIC B, WITH THE EXCEPTIONS AND ADDITIONS SPECIFIED
      IN THIS DRAWING.
   C. SUPPLIER SHALL CONFORM TO THE QUALITY ASSURANCE PROVISIONS IN HD 1015404
      CLASS 2.
      (1) PERIODIC INSPECTIONS MAY BE SATISFIED BY THE SUBMISSION AND
          ACCEPTANCE OF CERTIFIED TEST DATA FOR PURCHASED PRODUCTION LOTS.
   D. 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 HD PS1054000.
      CERTIFICATION OF COMPLIANCE SHALL ACCOMPANY EACH SHIPMENT.
      (1) LEADS SHALL WITHSTAND A 4 POUND PULL MINIMUM WITHOUT IMPAIRMENT OF
          PERFORMANCE.
      (2) LEADS SHALL WITHSTAND THE BEND TEST AS SPECIFIED IN MIL-C-26655 EXCEPT
          THE WEIGHT SHALL BE 2 POUNDS.
   C. MARKING:
      (1) EACH CAPACITOR SHALL BE PERMANENTLY AND LEGIBLY MARKED WITH THE
          MANUFACTURER'S NAME AND/OR SYMBOL, TYPE NUMBER, CAPACITANCE VALUE,
          TOLERANCE, VOLTAGE RATING AND POLARITY. EACH UNIT PACKAGED AND
          SHIPPED CONTAINER SHALL ALSO INCLUDE THE NASA DRAWING NO. DASH NO. AND
          REVISION LETTER.
   D. DOCUMENTATION:
      (1) ALL PARTS SHALL BE SERIALIZED. ALL TEST DATA AND X-RAY NEGATIVES
          SHALL BE ENCLOSED WITH PARTS. PARTS WHICH HAVE FAILED MUST NOT
          BE REPAIRED.
   E. ELECTRICAL REQUIREMENTS:
      (1) RATED VOLTAGE PER TABLE II.
      (2) CAPACITANCE VALUE PER TABLE II.

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) AND
           125°C OPERATION WITH DERATING PER MIL-C-26655/1B.
      (4) SURGE VOLTAGE.

4. SPECIAL CONDITIONING BY SUPPLIER:
   EVERY SHIPMENT SHALL BE TESTED ON A TON BASIS, BY THE METHODS SPECIFIED TO ELIMINATE ALL
   SUBSTANDARD OR POTENTIALLY SUBSTANDARD UNITS.
   X-RAY INSPECTION SHALL BE PER MIL-STD-202 METHOD 209, AND SHALL
   BE ACCOMPANYED PERIODICALLY TO THE MAJOR BASE OF THE CAPACITOR.
   ANY CAPACITORS WHICH FAIL THE ABOVE TEST PROCEDURE OR HAVE INSUFFICIENT BEND OR BEND IN
   WILL BE ELIMINATED ALL DEFECTIVE COMPONENTS.
   EACH UNIT SHALL BE CONNECTED IN SERIES WITH A 3 OHM RESISTOR AND A 1 AMP FUSE. UNITS SHALL
   THEN BE TESTED AT RATED VOLTAGE AT 125°C
   MINIMUM OF 250 HOURS. ALL UNITS WHICH HAVE A
   BLOW FUSE OR WHICH ARE OUTSIDE OF ALLOWABLE
   TOLERANCE FOR CAPACITANCE, DISSIPATION FACTOR,
   OR LEAKAGE CURRENT, WHEN TESTED AT 25°C ON COMPLETION OF
   BEND-IN SHALL BE DISCARDED.

PROCURE ONLY FROM APPROVED SOURCES LISTED IN HD 1002034 FOR THIS DRAWING.