REQUIREMENTS:

1. GENERAL:
   A. INTERPRET DRAWING IN ACCORDANCE WITH THE STANDARDS PRE-
   SCRIBED BY MIL-D-10737.

2. UNITS SHALL CONFIRM TO THE REQUIREMENTS OF MIL-C-15305
   TYPE 4, GRADE 1, CLASS B AS MODIFIED BY THE REQUIREMENTS
   OF THIS DRAWING.

3. VENDOR SUPPLIED DATA: EACH SHIPMENT SHALL BE ACCOMPANIED
   BY THE FOLLOWING DATA:
   (1) CERTIFICATE OF COMPLIANCE TO MIL 1015404.
   (2) CERTIFICATE OF COMPLIANCE WITH LEAD MATERIAL.
   (3) CERTIFICATE OF COMPLIANCE WITH SPECIAL CONDITIONING.
   (4) TEST DATA FROM SPECIAL CONDITIONING.

4. DESIGN:
   A. OPERATING LIFE: 2000 HOURS MINIMUM AT MAXIMUM CURRENT AND
      TEMPERATURE RATINGS. THE ADJUSTMENT SCREW SHALL BE CAPABLE
      OF 100 CYCLES OF OPERATION. ONE CYCLE EASUALLY ADJUST ALL
      THE WAY IN AND ALL THE WAY OUT.
   B. CONSTRUCTION: PLASTIC CASE WITH AN ALUMINUM (LEAD SCREW)
      TUNING SHAFT WHICH "STICKS" THE DAMPER FERROUS SLED. THE
      UNIT SHALL HAVE AN "AXILOY" RING SEAL ON THE TUNING
      SHAFT TO PREVENT POTENTIAL MOISTURE PENETRATION.
   C. OPERATING TEMPERATURE RANGE: 0°C TO +70°C.
   D. CURRENT RATING MAXIMUM: 200 MILLIAMPERS. UNDER THIS
      CONDITION THE TEMPERATURE RISE WILL BE 35°C SO THE AMOUNT
      SHOULD NOT EXCEED 70°C.

5. SPECIFYING DRAWING
   A. MECHANICAL PROPERTIES:
      (1) DIMENSIONS: AS DELINEMATED HEREIN.
      (2) LEAD MATERIAL: MELTABLE, GOLD PLATED (IRON-NICKEL)
         ALLOY PER MIL-D-1015404. MATERIAL SHALL BE
         CERTIFIED WITH EACH SHIPMENT. THE EXPENDED PORTION
         OF THE LEADS SHALL BE FREE OF SOLDER.
      (3) TORQUE:
         (a) STARTING: 0.1 IN-0Z MINIMUM
         (b) PRELOADING: 2.5 IN-0Z MAXIMUM
         (c) MIN TORQUE UNIT SHALL BE CAPABLE OF WITHSTANDING
            3.5 IN-0Z WITH THE TUNING SLIDE AT 10° STOP. 
            ULTIMATE CARE SHOULD BE USED NOT TO EXCEED THIS LIMIT.
   B. ELECTRICAL CHARACTERISTICS:
      (1) INDUCTANCE TUNING RANGE: FROM 8 MICROHENRIES TO 19 MICRO-
         HENRIES AT 2.0 MEGACYCLES 18 USING A BOONTON 260A
         INSTRUMENT. MATERIAL SHALL BE THE SAME AS SPECIFIED IN
         PARAGRAPH 2.B.1.
      (2) Q-FACTOR: 30 MIN AT 8 MICROHENRIES AND 50 MIN AT 15 Be
         MICROHENRIES USING THE SAME EQUIPMENT SPECIFIED IN
         PARAGRAPH 2.B.1.
      (3) DC RESISTANCE: 1.9 OHMS MAX.
      (4) RESISTANCE TEMPERATURE COEFFICIENT: +0.1% PER C°
         TES.
      (5) TEST VOLTS: 100 RMS BETWEEN WINDING AND THE TUNING
         SLIDE WHEN IN THE MAXIMUM INDUCTANCE POSITION.
      (6) DISTRIBUTED CAPACITANCE: (TWO (2) FREQUENCY METHOD)
         8 MICROFARADS MAXIMUM OVER THE FREQUENCY
         RANGE OF 2.0 TO 15 MICROHENRIES.
      (7) DURABILITY TESTING:
         (a) MATERIAL: ALLOY (DUMET) PER MIL-D-1015404.
         (b) RESISTANCE VALUES ARE IN OHMS.
         (c) TOLERANCES ON FRACTIONS: DECIMALS.
         (d) TEST ONE (1) SAMPLE PER LOT.
   C. PREPARATION FOR DELIVERY SHALL BE IN ACCORDANCE WITH
      MIL-STD-15305, CLASS 1, CODE 1.

6. PROCURE ONLY FROM APPROVED SOURCES LISTED IN HD 100254 FOR THIS DRAWING.