REQUIREMENTS:

1. GENERAL:
   A. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-O-70327.
   B. UNITS SHALL BE CAPABLE OF MEETING THE REQUIREMENTS OF MIL-C-15305, GRADE 1, CLASS B, EXCEPT AS AND IN ADDITION TO THE REQUIREMENTS SPECIFIED HEREIN. QUALIFICATION APPROVAL AND GROUP B AND C TESTS ARE NOT APPLICABLE.
   C. THE SUPPLIER SHALL CONFORM TO THE QUALITY ASSURANCE PROVISIONS AS CONTAINED IN MIL-I-14504, CLASS 2.
   D. UNITS SHALL BE CAPABLE OF MEETING THE REQUIREMENTS OF MIL-C-15305.
   E. MARKING: UNITS SHALL BE MARKED (COLOR CODED) PER MIL-C-15305, OR PRINTED WITH MANUFACTURER’S NAME OR TRADEMARK, INQUIRY VOLUME AND TOLERANCE.

2. ACCEPTANCE AND INSPECTION:
   A. LEAD DATA SHALL BE GOLD PLATED DUTY PER HD 1015401. A CERTIFICATE OF COMPLIANCE WITH THIS REQUIREMENT SHALL ACCOMPANY EACH SHIPMENT.
   B. ELECTRICAL CHARACTERISTICS: PER TABLE 1.
      - INDUCTANCE, L (±25°C).
      - RESISTANCE, R (STABILIZE FOR 24 HOURS BEFORE MAKING READING.)
   C. DC-INDUCTION-VOLTAGE (SEA LEVEL): 1400 VOLTS RMS.
   D. MARKING: PER PARAGRAPH 1 E.

3. DESIGN:
   A. AMBIENT TEMPERATURE: 1, 90°C MAXIMUM.
   B. WORKING VOLTAGE: 500 Volts Minimum.
   C. INDUCTANCE, EFFECTIVE (-55°C TO +125°C): PER TABLE 1, EXCEPT TOTAL TOLERANCE SHALL BE ±15 PERCENT.
   D. ALTITUDE: 70,000 FEET.
   E. LEAD PULL: FIVE (5) POUNDS, MINIMUM.

4. SPECIAL CONDITIONING (BY SUPPLIER):
   A. ALL COILS SHALL BE BURNED IN FOR 50 HOURS AT Tc = RATED (SEE TABLE 2) AT AN AMBIENT TEMPERATURE OF +90°C. INDUCTANCE CHANGE AT CONCLUSION OF BURN-IN SHALL NOT EXCEED INITIAL PURCHASE TOLERANCE AFTER 24 HOUR WAITING PERIOD.
   B. ALL COILS SHALL BE TEMPERATURE CYCLED THROUGH 5 CYCLES WITH NOT MORE THAN A 15 SECOND TRANSFER TIME AS FOLLOWS: 20 MINUTES AT -55°C. 20 MINUTES AT +125°C. INDUCTANCE AND Q CHANGE AT CONCLUSION OF TEMPERATURE CYCLING SHALL NOT EXCEED INITIAL PURCHASE TOLERANCE AFTER A 24 HOUR STABILIZATION PERIOD.

PROCURE ONLY FROM APPROVED SOURCES LISTED IN NO 1002034 FOR THIS DRAWING.