REQUIREMENTS:

1. GENERAL:
   A. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-78027.
   B. UNITS SHALL BE CAPABLE OF MEETING THE REQUIREMENTS OF MIL-C-15305, GRADE 1, CLASS B, EXCEPT AS 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 NO 101504, 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-D-15305 OR PRINTED WITH MANUFACTURER'S NAME OR TRADE NAME. INDUCTANCE VALUE AND TOLERANCE.

2. ACCEPTANCE AND INSPECTION:
   A. LEAD DATA: SHALL BE GOLD PLATED DIPLED PER NO 10150401. A CERTIFICATE OF COMPLIANCE WITH THIS REQUIREMENT SHALL ACCOMPANY EACH SHIPMENT.
   B. ELECTRICAL CHARACTERISTICS: PER TABLE I.
      - INDUCTANCE, Eff (+25°C)
      - RESISTANCE, R (STABILIZE FOR 24 HOURS BEFORE MAKING READING.)
   C. DIELECTRIC VOLTAGE (SEA LEVEL): 1400 VOLTS RMS.
      - 70,000 FEET: 360 VOLTS RMS.
   D. MARKING: PER PARAGRAPH 1 E.

3. DESIGN:
   A. AMBIENT TEMPERATURE: +90°C MAXIMUM.
   B. WORKING VOLTAGE: 500 VOLTS MAXIMUM.
   C. INDUCTANCE, EFFECTIVE (-55°C TO +125°C): PER TABLE I, 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 TPC = RATED (SEE TABLE I) AT AN AMBIENT TEMPERATURE OF +90°C. INDUCTANCE CHANGE AT CONCLUSION OF BURN-IN SHALL NOT EXCEED INITIAL TOLERANCE, AFTER 24 HOUR WAITING PERIOD.
   B. ALL COILS SHALL BE TEMPERATURE CYCLED THROUGH 5 CYCLES WITH NOT MORE THAN 20 MINUTE TRANSFER TIME AS FOLLOWS: 20 MINUTES AT -55°C, 20 MINUTES AT +125°C.

DEFINITIONS:

- "INDUCTANCE" SPECIFIED IN THE DASHED LIMITATION.
- "TOLERANCE" SPECIFIED IN THE DASHED LIMITATION.
- "OVER SOLDER" SPECIFIED IN THE DASHED LIMITATION.

READERS ARE REMINDED OF THE RISK OF ACCIDENTAL VOLTAGE ON THE COIL, RF, CHOKE.
TABLE I

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<th>DASH NUMBER</th>
<th>LEFT</th>
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<th>Rg</th>
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<td>.21</td>
<td>.23</td>
<td>.25</td>
<td>.27</td>
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</table>
| * CURRENT TO CAUSE FIVE PERCENT REDUCTION IN INDUCTANCE. ** DERATE LINEARLY FROM +90°C TO +125°C.