1. GENERAL:
   A. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
   B. SUPPLIER SHALL CONFORM TO THE QUALITY ASSURANCE PROVISIONS AS CONTAINED IN ND 101540A, CLASS 2.
   C. UNITS SHALL BE CAPABLE OF MEETING THE QUALIFICATION REQUIREMENTS OF ND 100020.
   D. UNITS SHALL MEET THE APPLICABLE REQUIREMENTS OF MIL-T-2103B, GRADE 7, CLASS R, LIFE EXPECTANCY X WITH THE EXCEPTIONS AND ADDITIONS SPECIFIED HEREIN. QUALIFICATION APPROVAL NOT REQ'D.

2. INSPECTION AND ACCEPTANCE: (100% UNLESS OTHERWISE SPECIFIED)
   A. MECHANICAL REQUIREMENTS:
   B. ELECTRICAL REQUIREMENTS: APPLICABLE PARAMETERS SHALL BE MEASURED USING A BOONTON 260A Q-METER OR EQUIVALENT.
   C. UNITS SHALL BE CAPABLE OF MEETING THE QUALIFICATION REQUIREMENTS OF MIL-T-2103B, GRADE 7, CLASS R, LIFE EXPECTANCY X WITH THE EXCEPTIONS AND ADDITIONS SPECIFIED HEREIN. QUALIFICATION APPROVAL NOT REQ'D.

3. DESIGN REQUIREMENTS:
   A. POWER RATING: 0.3 WATT AT 25°C DERATED LINEARLY TO 0.05 WATT AT 105°C.
   B. DYNAMIC WITHSTANDING VOLTAGE AT REDUCE BAROMETRIC PRESSURE:
   C. UNITS SHALL BE ENCAPSULATED.
   D. UNITS SHALL BE ENCAPSULATED.
   E. OPERATING TEMPERATURE RANGE: 20°C TO 105°C.


MATERIAL:
   A. TRANSFORMER, PULSE
   B. TRANSFORMER, PULSE
   C. TRANSFORMER, PULSE

LIST OF MATERIALS

<table>
<thead>
<tr>
<th>PART OR NOMENCLATURE</th>
<th>QTY</th>
<th>SIZE</th>
<th>UNLESS OTHERWISE SPECIFIED</th>
</tr>
</thead>
</table>
| DESCRIPTION | ITEM NO. | WAVEFORM: FIGURE 1 WILL REPLACE THE TEST CIRCUIT. FIGURE 4 OF MIL-T-2103B. THE INPUT PULSE TRAIN SHALL HAVE A PULSE REPETITION RATE OF 10K CPS ± 10% AND THE PULSE WIDTH SHALL BE 5 MICROSECONDS. USE OF PULSE DEFINITION AND MEASUREMENTS SHALL BE IN ACCORDANCE WITH PARAGRAPHS 3.12 AND 4.8.3 OF MIL-T-2103B. THE TRANSFORMER OUTPUT UNITS SHALL MEET THE FOLLOWING SPECIFICATIONS MEASURED AT STANDARDS CONDITIONS EXCEPT AS OTHERWISE SPECIFIED: THIS TEST SHALL BE CONDUCTED ON A 5% SAMPLE OF EACH SHIPMENT WITH NO FAILURES ALLOWED.

PROCUREMENT ONLY FROM APPROVED SOURCES LISTED IN ND 100020A FOR THIS DRAWING.