NOTES:

1. REQUIREMENTS:
   a. ENCAPSULATION: GLASS. UNITS SHALL BE HERMETICALLY SEALED.
   b. LEAD MATERIAL SHALL BE IRON-NICKEL ALLOY, COPPER CLAD, GOLD
      PLATED IN ACCORDANCE WITH N/01S 1015401. A CERTIFICATE
      OF COMPLIANCE WITH THIS REQUIREMENT SHALL ACCOMPANY EACH
      SHIPMENT.
   c. SHALL WITHSTAND A THERMAL SHOCK OF 300°C FROM 0°C WITHIN 30
      SECONDS AND BE RETURNED TO ROOM AMBIENT WITHOUT AFFECTING
      OPERATING CHARACTERISTICS AS SPECIFIED HEREIN, IN ADDITION TO THE
      REQUIREMENTS OF ND 1002000.
   d. SUPPLIER SHALL CONFORM TO THE QUALITY ASSURANCE PROVISIONS OF
      N/010540A SECTION II.
   e. UNITS SHALL BE 100 PERCENT INSPECTED FOR COMPLIANCE WITH
      THE REQUIREMENTS IN TABLE I UNLESS OTHERWISE SPECIFIED.
   f. TRANSIENT RESPONSE: USING A TECHTRONIX TYPE S PLUG-IN UNIT AND
      Ip = 5 MILLIAMPERES AND Ip = 100 MICROAMPERES. THE MEASURED
      TIME MUST BE LESS THAN 5 MICROSECONDS. THE SLOPE OF THAT PORTION
      OF THE DISCHARGE CURVE CORRESPONDING TO LINEAR CAPACITANCE SHALL
      BE GREATER THAN .5 VOLTS AND .2 MICROSECOND.
   g. LEAD TESTS: EACH LEAD SHALL BE CAPABLE OF WITHSTANDING THE
      FOLLOWING TESTS:
      (1) LEAD BEND TEST: WITH THE COMPONENT BODY HELD IN A VERTICAL
          POSITION AND A ONE POUND WEIGHT SUSPENDED IN AN AXIAL
          DIRECTION FROM THE LEAD UNDER TEST, 2 CYCLES OF BENDS SHALL
          BE ACCOMPLISHED. ONE CYCLE OF BENDS SHALL CONSIST OF
          MOVING THE BODY OF THE UNIT IN THE SAME PLANE THROUGH 90
          DEGREES IN ONE DIRECTION THEN BACK 180 DEGREES IN THE
          OPPOSITE DIRECTION AND BACK 90 DEGREES TO THE ORIGINAL
          POSITION. NO MECHANICAL DAMAGE OR LACK OF PERFORMANCE
          SHALL BE EVIDENCED AFTER THE TEST.
      (2) LEAD PULL TEST: EACH LEAD SHALL WITHSTAND AN AXIAL PULL
          OF 6 POUNDS MINIMUM. NO MECHANICAL DAMAGE OR LACK OF
          PERFORMANCE SHALL BE EVIDENCED AFTER THE TEST.
   h. EACH DIODE SHALL BE MICROSCOPICALLY INSPECTED, BEFORE PAINTING,
      UNDER 100X MAGNIFICATION, FOR FOREIGN PARTICLES, TIPPED DICE,
      INCOMPLETE SEALING, AND REDUCTION OF LEAD DIAMETER AT POINT OF
      FUSING.
   i. PREPARATION FOR DELIVERY: IN ACCORDANCE WITH MIL-S-14691 LEVEL
      C PRESERVATION AND PACKAGING AND LEVEL C PACKING. MARKING OF
      UNIT PACKAGES AND EXTERIOR SHIPPING CONTAINERS SHALL INCLUDE
      THE NASA DRAWING NUMBER AND REVISION LETTER.
   j. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY
      MIL-S-70377.

FOR INFORMATION ONLY
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REVISIONS

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