NOTES:

1. GENERAL REQUIREMENTS:
   A. SPRAGUE TYPE 250 D PER DATA SOURCE NOTED EXCEPT AS AND IN ADDITION TO THE
      REQUIREMENTS SPECIFIED HEREIN.
   B. ELECTRICAL RATINGS: PER TABLE II ON SHEET 2.
   C. CAPACITANCE AT 120 CPS @ 25°C: PER SHEET 2.
   D. MAXIMUM DISSIPATION FACTOR
      AT -8°C: 0.08
      AT 25°C: 0.06
      AT 85°C: 0.08
      AT 125°C: 0.09
   E. OPERATING TEMPERATURE RANGE: -8°C TO +85°C.
   F. MAX D.C. LEAKAGE CURRENT: .05 UA/UF + VOLT, BUT IN NO CASE NEED THE LEAKAGE
      CURRENT BE LESS THAN 1 UA.

2. CONSTRUCTION REQUIREMENTS:
   A. INSULATING SLEEVE: MYLAR, CAPABLE OF WITHSTANDING 2000 VDC FOR 1 MIN ± 5 SEC.
   B. LEADS: UNITS SHALL HAVE WELDABLE NICKEL LEADS PER MIL-D-70327.

3. ENVIRONMENTAL REQUIREMENTS:
   A. UNITS SHALL BE CAPABLE OF MEETING THE ENVIRONMENTAL REQUIREMENTS OF MIL-D-702000.
   B. SUPPLIER SHALL CONFORM TO QUALITY ASSURANCE PROVISIONS OF MIL-D-7015404 SECTION .
   C. BURN-IN (BY SUPPLIER): A. ALL CAPACITORS SHALL BE SUBJECTED TO A 250 HOUR BURN-IN PERIOD AT RATED VOLTAGE AND +85°C. UNDER THESE CONDITIONS THE FOLLOWING RESULTS SHALL BE OBTAINED. PRE AND POST BURN-IN DATA REPRESENTED BY THESE RESULTS SHALL BE SUPPLIED WITH ALL CAPACITORS SHIPPED. DATA SHALL CONSIST OF MEASUREMENTS FOR EACH UNIT OF THE LOT.
   1) THE CAPACITANCE SHALL NOT EXCEED THE INITIAL REQUIREMENTS OF THE APPLICABLE DRAWING.
   2) THE LEAKAGE CURRENT AND DISSIPATION FACTOR SHALL NOT EXCEED THE INITIAL LIMITS SPECIFIED BY THE APPLICABLE DRAWING.

4. SUPPLIER SHALL CONFORM TO QUALITY ASSURANCE PROVISIONS OF MIL-D-7015404 SECTION .

5. BURN-IN (BY SUPPLIER):
   A. ALL CAPACITORS SHALL BE SUBJECTED TO A 250 HOUR BURN-IN PERIOD AT RATED VOLTAGE AND +85°C. UNDER THESE CONDITIONS THE FOLLOWING RESULTS SHALL BE OBTAINED. PRE AND POST BURN-IN DATA REPRESENTED BY THESE RESULTS SHALL BE SUPPLIED WITH ALL CAPACITORS SHIPPED. DATA SHALL CONSIST OF MEASUREMENTS FOR EACH UNIT OF THE LOT.
   1) THE CAPACITANCE SHALL NOT EXCEED THE INITIAL REQUIREMENTS OF THE APPLICABLE DRAWING.
   2) THE LEAKAGE CURRENT AND DISSIPATION FACTOR SHALL NOT EXCEED THE INITIAL LIMITS SPECIFIED BY THE APPLICABLE DRAWING.

6. INTERPRET DRAWING PER MIL-D-70327.

7. REQUIREMENTS PRESENTED ON THIS DRAWING EXCEPT LEAD MATERIAL SPEC.
   B. UPON SPECIFIC INSTRUCTION BY TD (TECHNICAL DIRECTIVE). PROCEDURE THIS PART AS CHANGED
      LETTER AS ORDERED TO VENDOR CATALOG NO.
   C. DISREGARD THIS NOTE IN ITS ENTIRETY IF REFERENCE IS MADE TO THIS DRAWING BY
      OTHER THAN REVISION LETTER A.

FOR INFORMATION ONLY
CLASS B RELEASE TDR No. 00165 DATE 11/14/64

TABLE I

CASE SIZE
A B MAX B MAX C MAX
A 24 .010 .255 .151 .503
B 24 .010 .541 .201 .691
C 22 .0255 .753 .305 .903
D 22 .0255 .853 .347 1.007

LIST OF MATERIALS
MANNED SPACECRAFT CENTER HOUSTON, TEXAS
CAPACITOR, FIXED, TANTALUM SPECIFICATION CONTROL DRAWING

C 1006755