100165 12-12-62 REVISIONS DESCRIPTION APPROVAL DATE THIS SHEET ADDED AND UPGRADED TO CLASS A RELEASE PER TDRR 02FF5 F/25/20 Q396.2 10000 W SPECIAL CONDITIONING BY SUPPLIER:

A. BURN-IN: ALL UNITS SHALL BE SUBJECTED TO 2 TIMES RATED VOLTAGE ATA

85°C FOR A MINIMUM OF 100 HOURS AND A MAXIMUM OF 300 HOURS, THE REVISED PER TORR 06749 TABLE THE LAST 48 HOURS SHALL BE FREE OF CATASTROPHIC FAILURES. DASH CAPACI-REVISED PER TDRR 10373 (ie. SHORTS OR OPENS) TANCE DIMENSIONS REVISED PER TDRR 18629 B. THE MANUFACTURER SHALL DETERMINE AND RECORD THE FOLLOW-ING ELECTRICAL CHARACTERISTICS PRIOR TO AND FOLLOWING REVISED PER TDRR 22281 M REVISED PER TDRR 25134 BURN-IN. .318 | .090 REVISED PER TDRR 28635 CAPACIT ANCE POWER FACTOR INSULATION RESISTANCE BURN-IN DATA SHALL BE INCLUDED WITH EACH SHIPMENT. THE DATA SHALL BE PRESENTED IN A MANNER THAT PROVIDES POSITIVE IDENTIFICATION OF EACH INDIVIDUAL CAPACITOR WITH THE INITIAL TEST READING, THE FINAL READING AND THE PERCENT CHANGE BETWEEN THE FINAL AND INITIAL READING. THE TEST DATA SUBMITTED SHALL ALSO IDENTIFY PARTS THAT -10 FAIL TO MEET THE SPECIFIED REQUIREMENTS. HISTOGRAMS SHALL -11 BE PLOTTED TO SHOW THE FREQUENCY DISTRIBUTION OF THE CAPACI- DIMENSIONS DASH ABSOLUTE VALUE OF EACH CHARACTERISTIC AND TO SHOW THE TANCE FREQUENCY DISTRIBUTION OF THE PERCENT CHANGE OF EACH CHARACTERISTIC FROM ITS INITIAL READING. UNITS FAILING .498 .160 5600 TO MEET INITIAL DRAWING REQUIREMENTS OR WHICH EXCEED THE -16 8200 .498 .160 SPECIFIED LIMITS FOR PARAMETRIC CHANGES FOLLOWING BURN-IN 270 SHALL NOT BE ACCEPTABLE. LIMITS: CAPACITANCE: ± 5 % OF INITIAL READING PO"ER FACTOR: INITIAL LIMIT INSULATION RESISTANCE: INITIAL LIMIT NOTES: 1. THESE DASH NUMBERS ARE NONSTANDARD VALUES PER MIL-C-11015/20. .318 .498 .120 2000 MAXIMUM CAPACITANCE CHANGE DUE 2200 TO HIGH TEMPERATURE EXPOSURE 3300 CAPACITANCE CHANGE (%) DASH NO. WITH EXPOSURE TO INDICATED .498 .120 TEMPERATURES (°C) .498 .160 6800 E) THIS SHEET ADDED +125 +85 .498 .160 -31 11 THRU 18 .200 .020 .498 19 THRU 24. .698 THE COMPLETE PART NUMBER IS THE DRAWING NUMBER! .648 .240 PLUS THE APPLICABLE DASH NUMBER. .648 .240 .648 .240 .068 .498 .200 QTV FIND NOMENCLATURE OR PART OR DESCRIPTION NO. IDENTIFYING NO LIST OF MATERIALS UNLESS OTHERWISE SPECIFIED MANNED SPACECRAFT CENTER INSTRUMENTATION LAB CAMBRIDGE MASS NAS CONTRACT 9-497 DIMENSIONS ARE IN INCHES PROCURE ONLY FROM APPROVED SOURCES LISTED ON HOUSTON, TEXAS TOLERANCES ON ND 1002034 FOR THIS DRAWING. DRAWN OF JOSE DATES AUG63 FRACTIONS DECIMALS CAPACITOR, FIXED, CHECKED WILSON MERUG 63 CERAMIC DIELECTRIC DO NOT SCALE THIS DRAWING APPROVAL Eldan C Fell 28 aug 63 MATERIAL SPECIFICATION CONTROL DRAWING HEAT TREATMENT **NEXT ASSY** USED ON FINAL FINISH SHEET 2 OF 2 **APPLICATION**