REVISIONS 8879001 DESCRIPTION DATE APPROVAL REPLACES REV B WITH CHANGES 5/22/63 NOT TO BE REGARDED BY IMPLICATION OR OTHERWISE AS IN ANY MANNER LICENSING THE HOLDER OR ANY OTHER PERSON OR CORPORATION, OR CONVEYING ANY RIGHTS OR PERMISSION TO MANUFACTURE, USE, OR SELL ANY PATENTED INVENTION THAT MAY IN ANY WAY BE RELATED THERETO. PER TDRR 0/287 REVISED PER TORR 01557 REVISED PER TDRR 02619 REQUIREMENTS: REVISED PER TDRR 03/39 RESISTANCE A. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327. 12/10/63 016 IN OHMS B. UNITS SHALL MEET THE REQUIREMENTS OF MIL-R-93 WITH ANY ADDITIONS AND EXCEPTIONS AS NOTED HEREIN. UNITS SHALL BE CAPABLE OF MEETING THE QUALIFICATION REQUIREMENTS OF ND 1002057. REVISED PER TDRR 16367 REVISED PER TORR 16586 IN ND 1015404 CLASS 2. MARKING: UNITS SHALL BE MARKED IN ACCORDANCE WITH ND 1002019 WITH RESISTANCE VALUE, TOLERANCE, MANUFACTURER'S NAME/OR SYMBOL AND TYPE NUMBER. THE CONTAINER SHALL BE MARKED IN ACCORDANCE WITH MIL-STD-129 WITH THE MANUFACTURER'S NAME IDENTIFYING NUMBER, ITEM NAME, NASA DRAWING NUMBER, DASH NUMBER, AND REVISION LETTER, AND LOT CODE. E. LEADS SHALL BE NICKEL IN ACCORDANCE WITH ND 1015400. | >6 | >.4 | U.I A CERTIFICATE OF COMPLIANCE WITH THIS REQUIREMENT SHALL ACCOMPANY EACH SHIPMENT. 20.5 ACCEPTANCE AND INSPECTION: 50% A. MECHANICAL DIMENSIONS PER DRAWING. 1.75 POWER B. ELECTRICAL: 1.8 (1) RESISTANCE SHALL BE AS SPECIFIED IN TABLE. 105°C 125°C 145°C 1.85 (2) RESISTANCE SHALL BE MEASURED 3/8 1 1/64 INCH FROM THE RESISTOR BODY. TEMPERATURE (3) RESISTANCE TOLERANCE: '11% DESIGN APPLICATION DERATING CURVE 3. DESIGN REQUIREMENTS: (REF ONLY) 2.05 A. POWER RATING: 1/4 WATT 9.5 B. OPERATING TEMPERATURE RANGE: -55°C TO 145°C 2.1 C. TEMPERATURE COEFFICIENT: 50 PPM/°C 2.15 SPECIAL CONDITIONING BY SUPPLIER: 2.25 2.65 A. TEMPERATURE CYCLING 2.3 (1) ALL RESISTORS SHALL BE TEMPERATURE CYCLED IN ACCORDANCE WITH MIL-R-93 PARAGRAPH 4.6.4. ALL PARTS NOT MEETING PARAGRAPH 2.8.1. AND 3 AFTER TEST SHALL BE REJECTED. 1.6 2 LEADS B. BURN IN: (1) ALL RESISTORS SHALL BE SUBJECTED TO A 50 HOUR FULL POWER BURN IN AT 125°C AMBIENT TEMPERATURE. UNITS EXHIBITING A VARIATION OF RESISTANCE .021 DIA IN EXCESS OF 10:2% OR CHANGE OUTSIDE OF SPECIFIED TOLERANCE SHALL BE REJECTED. RESISTANCE SHALL BE MEASURED BEFORE AND AFTER TEST, AND DATA 2LEADS IDENTIFIABLE TO EACH RESISTOR SUPPLIED WITH EACH SHIPMENT. .062 © REPLACES REV B WITH CHANGES T 3.8 NOMENCLATURE OR PART OR QTY REQD DESCRIPTION IDENTIFYING NO. LIST OF MATERIALS UNLESS OTHERWISE SPECIFIED MANNED SPACECRAFT CENTER INSTRUMENTATION LAB DIMENSIONS ARE IN INCHES HOUSTON, TEXAS PROCURE ONLY FROM APPROVED SOURCES LISTED ON TOLERANCES ON ND TOG2034 FOR THIS DRAWING. ANGLES DRAWN R. Kone DATEZONAY,63 DECIMALS FRACTIONS RESISTOR, FIXED, WIREWOUND DO NOT SCALE THIS DRAWING APPROVAL 81D murel 22 May 6 SPECIFICATION CONTROL DRAWING APPROVAL ERROR Hall 22 Myl. MATERIAL SEE NOTES NASA DRAWING NO. CODE IDENT NO. SIZE HEAT TREATMENT NASA APPROVAL L. J. Swanter
5/22/03 NONE 1006788 **NEXT ASSY** USED ON FINAL FINISH MIT APPROVAL NONE WT **NON E** SHEET OF | **APPLICATION** Service of the servic