REQUIREMENTS:

1. GENERAL:
   A. UNITS SHALL BE CAPABLE OF MEETING THE REQUIREMENTS OF SPECIFICATION MIL-R-26, CHARACTERISTIC G, FOR INSULATED TYPES; EXCEPT AS MODIFIED HERNIN.
   B. SUPPLIER SHALL CONFORM TO THE QUALITY ASSURANCE PROVISIONS SPECIFIED IN ND 1015404, CLASS 2.
   C. INTERPRET DRAWING SYMBOLS, ABBREVIATIONS AND REFERENCE DESIGNATIONS IN ACCORDANCE WITH GOVERNMENT STANDARDS PREscribed IN MIL-R-26.
   D. PACKAGING: UNITS SHALL BE PACKAGED PER MIL-R-26, LEVEL A.

2. INSPECTION AND ACCEPTANCE:
   A. ELECTRICAL REQUIREMENTS:
      (1) RESISTANCE: PER TABLE
      (2) RESISTANCE TOLERANCE: ± 1%
   B. MECHANICAL REQUIREMENTS:
      (1) LEADS: NICKEL ALLOY PER ND PS 1015400. A CERTIFICATE OF COMPLIANCE TO THIS REQUIREMENT SHALL ACCOMPANY EACH SHIPMENT.

3. DESIGN REQUIREMENTS:
   A. PER MIL-R-26 MODIFIED PER THIS DRAWING.
   B. POWER RATING: 3 WATTS @ 25°C DERATED TO ZERO AT 275°C.
   C. TEMPERATURE COEFFICIENT:
      (1) 50°C/ABOVE = ± 20 PPM/°C
      (2) 1.75THRU 50°C = ± 40 PPM/°C
   D. MAXIMUM RATED CONTINUOUS WORKING VOLTAGE: V = √F OR 100 VOLS MAX.
   E. RESISTANCE ELEMENT: RESISTANCE WIRE USED SHALL HAVE A MINIMUM DIAMETER OF 0.001 INCH. (SEE NOTES FOR EXCEPTIONS)
   F. DIELECTRIC STRENGTH: 1000 VOLTS AC RMS, 60 CYCLE.
   G. RATING: INITIAL TUNING.
   H. EACH LEAD SHALL BE CAPABLE OF WITHSTANDING TWO (2) BENDS UNDER A TWO (2) POUND VERTICAL PULL (LEAD VERTICAL WITH RESPECT TO UNIT BODY). TWO (2) BENDS SHALL BE ACCOMPLISHED BY MOVING THE BODY OF THE UNIT, WHILE IN THE SAME PLANES. THROUGH 90° IN ONE DIRECTION, THEN BACK 180° TO THE OPPOSITE DIRECTION, THEN BACK 90° TO THE ORIGINAL POSITION. NO MECHANICAL DAMAGE OR LACK OF PERFORMANCE SHALL BE EVIDENCED AFTER THE TEST.

4. SPECIAL CONDITIONING BY SUPPLIER:
   A. BURN-IN TEST: THE MANUFACTURER SHALL BURN-IN ALL RESISTORS FOR 100 HOURS AT 25°C AT 3 WATTS @ COMMERCIAL LINE FREQUENCY 1/2 HRS ON AND 1/2 HR, OFF. UNITS CHANGING RESISTANCE MORE THAN 0.5% OR EXCEEDING THE INITIAL RESISTANCE TOLERANCE SHALL BE REJECTED.

PRODUCE ONLY FROM APPROVED SOURCES LISTED ON ND 1002034 FOR THIS DRAWING.

REPLACES REV(D) WITH CHANGES

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

RESISTOR, FIXED, WIREWOUND

SPECIFICATION CONTROL DRAWING

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON FRACTIONS DECIMALS ANGLES
DO NOT SCALE THIS DRAWING

SEE NOTES

NOMENCLATURE OR FIND NUMBER AND REVISION LETTER AND THE MANUFACTURER'S PART NUMBER OR PACKAGE, MARKING OF UNIT PACKAGES AND EXTERIOR SHIPPING CONTAINERS SHALL INCLUDE NASA PART NUMBER AND REVISION LETTER.

REVISED BY Approval

SHEET 1 OF 2
### Table: Basic Resistance Multipliers

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### Table: Non-Standard Values

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### Notes:
1. UNITS 68 THRU 93, 97 THRU 106, AND 109 AND 110 NOT AVAILABLE USING .005 MIN, DIA, WIRE.