NOTICE — WHEN GOVERNMENT DRAWINGS, SPECIFICATIONS, OR OTHER DATA ARE USED FOR ANY PURPOSE OTHER THAN IN CONNECTION WITH A DEFINITELY RELATED GOVERNMENT PROCUREMENT OPERATION, THE UNITED STATES GOVERNMENT THEREBY INCURS NO RESPONSIBILITY NOR ANY OBLIGATION WHATSOEVER. AND THE FACT THAT THE GOVERNMENT MAY HAVE FORMULATED, FURNISHED OR IN ANY WAY SUPPLIED THE SAID DRAWINGS, SPECIFICATIONS OR OTHER DATA IS 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.

REQUIREMENTS:

1. GENERAL:
   A. UNITS SHALL MEET THE APPLICABLE REQUIREMENTS OF MIL-R-10509, STYLE RNGO, CHARACTERISTIC B, TOLERANCE F, EXCEPT AS SPECIFIED HEREIN.
   B. UNITS SHALL BE CAPABLE OF MEETING THE QUALIFICATION REQUIREMENTS SPECIFIED IN ND 1002057 UNLESS MODIFIED OR AMENDED BY THE DESIGN REQUIREMENTS SECTION OF THIS DRAWING.
   C. THE SUPPLIER SHALL CONFORM TO THE QUALITY ASSURANCE PROVISIONS SPECIFIED IN ND 1015404, CLASS 2.
   D. INTERPRET DRAWING SYMBOLS, ABBREVIATIONS, AND REFERENCE DESIGNATIONS IN ACCORDANCE WITH GOVERNMENT STANDARDS PRESCRIBED IN MIL-D-70327.
   E. UNIT PACKAGING AND PACKING SHALL BE IN ACCORDANCE WITH ND 1002129.

2. INSPECTION AND ACCEPTANCE:
   A. ELECTRICAL REQUIREMENTS:
      (1) RESISTANCE VALUE: PER TABLE
      (2) RESISTANCE TOLERANCE: PER TABLE ± 1%
   B. MECHANICAL REQUIREMENTS:
      (1) LEAD MATERIAL SHALL BE NICKEL ALLOY PER NASA DOCUMENT PS 1075460. A CERTIFICATE OF COMPLIANCE WITH THIS REQUIREMENT SHALL ACCOMPANY EACH SHIPMENT.
      (2) UNIT MARKING: THE MANUFACTURER'S NAME OR SYMBOL, THE NASA DRAWING NUMBER, DASH NUMBER (IF ANY), REVISION LETTER, SHALL BE PERMANENTLY AND LEGIBLY MARKED ON THE PART PER MIL-STD-130. MANUFACTURER'S PART OR TYPE NUMBER MAY APPEAR ON THE PART OR PACKAGE.
      (3) DIMENSIONS PER FIGURE
   C. MAX CONTINUOUS WORKING VOLTAGE: 250 VOLTS
   D. TEMPERATURE COEFFICIENT: ±650PPM/°C (-55°C TO +150°C) FOR VALUES THRU 4,530,000. ±625PPM/°C (-55°C TO +150°C) FOR VALUES 4,640,000 THRU 10,000,000.
   E. DIELECTRIC WITHSTANDING VOLTAGE: 750 VOLTS RMS AT ATMOSPHERIC PRESSURE.

3. DESIGN REQUIREMENTS:
   A. PER THE REQUIREMENTS OF MIL-R-10509 AS MODIFIED BY THIS DRAWING.
   B. POWER RATING: 1/8 WATT AT +70°C; DERATING LINEAR TO +150°C
   C. MAX CONTINUOUS WORKING VOLTAGE: 250 VOLTS
   D. TEMPERATURE COEFFICIENT: ±650PPM/°C (-55°C TO +150°C) FOR VALUES THRU 4,530,000. ±625PPM/°C (-55°C TO +150°C) FOR VALUES 4,640,000 THRU 10,000,000.
   E. DIELECTRIC WITHSTANDING VOLTAGE: 750 VOLTS RMS AT ATMOSPHERIC PRESSURE.

4. SPECIAL CONDITIONING BY SUPPLIER:
   A. BURN-IN: THE UNITS SHALL BE BURNED IN FOR 100 HOURS AT +70°C AND RATED POWER. THE RESISTANCE CHANGE SHALL NOT EXCEED .5%.
   B. THE UNITS SHALL NOT EXCEED THE INITIAL TOLERANCE BEFORE OR AFTER BURN-IN.

LIST OF MATERIALS

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<td>CARBON FILM</td>
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PROCURE ONLY FROM APPROVED SOURCES LISTED ON ND 1002034 FOR THIS DRAWING.
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TOLERANCES ON FRACTIONS

DIMENSIONS ARE IN INCHES

DO NOT SCALE THIS DRAWING

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

INSTRUMENTATION LAB

REFERENCES:

NASA DRAWING NO. 1010768

APPROVAL:

NASA APPROVAL:

MATERIAL:

RESISTOR FIXED,
CARBON FILM

HEAT TREATMENT:

NOMENCLATURE OR LIST OF MATERIALS

UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES

TOLERANCES ON

DECIMALS ANGLES

DRAWN BY:

CHECKED BY:

DRAWING NUMBER:

REVISIONS:

INITIAL RELEASE CLASS A

PER TORR;

NEXT ASSY USED ON:

APPLICATION:

MIN. APPROVAL:

SCALE:

N/A;

1010768

102

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