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 AMONG 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.

NOTES:

1. GENERAL REQUIREMENTS:
   A. UNITS SHALL MEET THE REQUIREMENTS OF SPECIFICATION MIL-R-26, CHARACTERISTIC G, FOR INSULATED TYPES: EXCEPT AS AND IN ADDITION TO THE REQUIREMENTS SPECIFIED HEREIN, MILITARY QUALIFICATION TESTING IS NOT REQUIRED.

2. ELECTRICAL REQUIREMENTS:
   A. POWER RATING: 3 WATTS.
   B. RESISTANCE TOLERANCE: ± 1%.
   C. TEMPERATURE COEFFICIENT: ± 20 PPM/°C.
   D. MAXIMUM RATED CONTINUOUS WORKING VOLTAGE: 150 VOLTS.

3. CONSTRUCTION REQUIREMENTS:
   A. RESISTANCE ELEMENT: RESISTANCE WIRE USED SHALL HAVE A MINIMUM DIAMETER OF 0.001 INCH.
   B. HOUSING: METAL TUBING.
   C. LEADS: NICKEL ALLOY PER NASA SPECIFICATION PS 1015400.

   A CERTIFICATE OF COMPLIANCE OF LEAD MATERIAL SHALL ACCOMPANY EACH LOT SHIPPED.
   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 PLANE, 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.
   D. MARKING: MARK UNITS PER MIL-STD-130 WITH MANUFACTURER'S NAME AND/OR SYMBOL, TYPE NUMBER, RESISTANCE VALUE, TOLERANCE, POWER RATING.

   MARKING OF UNIT PACKAGES AND EXTERIOR SHIPPING CONTAINERS SHALL INCLUDE NASA DRAWING NUMBER AND REVISION LETTER.

4. QUALIFICATION:
   A. UNITS SHALL MEET THE REQUIREMENTS OF NS1002057.

5. QUALITY ASSURANCE REQUIREMENTS:
   A. SUPPLIERS SHALL CONFORM TO THE QUALITY ASSURANCE PROVISIONS CONTAINED IN NASA SPECIFICATION ND 1015404, CLASS 2.

6. TEST REQUIREMENTS:
   A. BURN-IN TEST: THE MANUFACTURER SHALL BURN-IN ALL RESISTORS FOR 100 HOURS AT 425°C AT 3 WATTS. RESISTANCE CHANGE SHALL NOT BE GREATER THAN 0.5% AND SHALL NOT EXCEED THE UNIFORM PURCHASE TOLERANCE.

FOR INFORMATION ONLY

CLASS B RELEASE TDR No.00497 DATE

REVISION STATUS OF SHEETS

 Sheet 1  Sheet 2

SHEET DESCRIPTION

REV ISION

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON
FRACTIONS DECIMALS ANGLES

DO NOT SCALE THIS DRAWING

MATERIAL

SEE NOTES

HEAT TREATMENT

NONE

NEXTAssignable

JUSTIFIED USED ON

APPLICATION

FINAL FINISH

NONE

MANNED SPACECRAFT CENTER

HOUSTON, TEXAS

RESISTOR, FIXED, WIREWOUND

SPECIFICATION CONTROL DRAWING

MIT INSTRUMENTATION LAB

CHECKED (DATE)

APPROVED (DATE)

NASA APPROVAL

CODE IDENT NO. SIZE

1010389

NASA DRAWING NO.

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SHEET 1 OF 2
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**FOR INFORMATION ONLY**

CLASS B RELEASE TDR No. 00427

DATE 3-4-62

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**SPECIFICATION CONTROL DRAWING**

NASA DRAWING NO. 1010389

MANNED SPACECRAFT CENTER

HOUSTON, TEXAS

**RESISTOR, FIXED, WIREDOUND**

**NOMENCLATURE OR DESCRIPTION**

**LIST OF MATERIALS**

**UNLESS OTHERWISE SPECIFIED**

DIMENSIONS ARE IN INCHES

TOLERANCES ON FRACTIONS DECIMALS ANGLES

DO NOT SCALE THIS DRAWING

HEAT TREATMENT

NASA APPROVAL

CODE IDENT NO: C

NASA DRAWING NO: 1010389

SHEET 1 OF 2