NOTES:

1. GENERAL REQUIREMENTS:
   A. UNITS SHALL MEET THE APPLICABLE REQUIREMENTS OF MIL-D-20048A
   FOR TYPE B 1/4 WIT THE EXCEPTIONS AND ADDITIONS SPECIFIED
   HEREIN.
   B. EXCEPTIONS:
      (1) UNITS SHALL HAVE WELDABLE LEADS PER PS 1015400. LEADS SHALL
          ALSO BE GOLD PLATED PER PS 1015400 UNLESS OTHERWISE SPECIFIED. A
          CERTIFICATE OF COMPLIANCE OF LEAD MATERIAL AND FINISH SHALL ACCOMPANY
          THE DRAWING.
      (2) TOLERANCE: TEMPERATURE COEFFICIENT SHALL BE PLUS OR MINUS 2% OF THE
          SPECIFIED VALUE.
      (3) TEMPERATURE COEFFICIENT:
          δ 200P, P, KPC MAX FROM -55°C TO 150°C
      (4) UNITS SHALL BE CAPABLE OF MEETING AN END OF LIFE TOLERANCE
          OF ± 1% OF NOMINAL VALUE SPECIFIED AFTER 5000 HOURS UNDER
          EXPOSED AS SHOWN IN DESIGN APPLICATION DERATING CURVE BELOW.
      (5) WARNING: UNIT SHALL BE PERMANENTLY AND LEGIBLY MARKED PER NAS10100019.
          WITH THE MANUFACTURER'S SYMBOL, TYPE DESIGNATION, Nominal RESISTANCE,
          VALUE AND TOLERANCE, LETTER R INDICATING ± 2% RESISTANCE TOLERANCE,
          AND THE MANUFACTURER'S FOUR-DIGIT MANUFACTURING LOT NUMBER.

C. ADDITIONS:
   (1) THE SUPPLIER SHALL CONFORM TO THE QUALITY ASSURANCE
       PROVISIONS CONTAINED IN NASA DOCUMENT NO1005404 CLASS B AND
       CONTAINER RELATING TO THE MANUFACTURE, USE, OR SELL OF THE
       SAID DRAWINGS, SPECIFICATIONS OR OTHER DATA IS NOT TO BE REGARDED
       BY IMPLICATION OR OTHERWISE AS ANY MANNER OF LICENSING THE HOLDER
       OR ANY OTHER PERSON OR CORPORATION, OR CONVEYED OR LICENSED IN
       ANY WAY SUPPLIED THE SAID DRAWINGS, SPECIFICATIONS OR OTHER DATA
       IS NOT TO BE REGARDED OR PERMITTED.

D. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY
   MIL-D-70327.

MASTER

SEE NOTES

SPECIFICATION CONTROL DATA

INSTRUMENTATION LAB MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

RESISTOR, FIXED FILM
INSULATED 1/4 WATT

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

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

INSTRUMENTATION LAB
MANNED SPACECRAFT CENTER

WEIGHT SCALE

RESISTOR, FIXED FILM
INSULATED 1/4 WATT

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
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 GOVERN.-
MENT THEREBY INCURS NO RESPONSIBILITY NOR ANY OBLIGATION WHATSOEVER.
AND THE FACT THAT THE GOVERNMENT MAY HAVE FORMULATED, FURNISHED, OR
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 CONVEY-
ING ANY RIGHTS OR PERMISSION TO MANUFACTURE, USE, OR SELL A PATENTED
INVENTION THAT MAY [0 ANY WAY BE RELATED THERETO.

### LIST OF MATERIALS

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### RESISTOR, FIXED FILM

- **Insulated 1/4 Watt**
- **Resistor, Fixed Film**

### SPECIFICATION CONTROL DRAWING

- **NOMENCLATURE OR DESCRIPTION**
- **MANNED SPACECRAFT CENTER HOUSTON, TEXAS**
- **INSTRUMENTATION LAB**

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

- **DO NOT SCALE THIS DRAWING**
- **MATERIAL SEE NOTES**

- **HEAT TREATMENT**
- **FINAL FINISH**

- **CODE IDENT NO.**
- **NASA DRAWING NO.**
- **TIGHTNESS CLASS 2**
- **WITH APPROVAL**

- **NASA APPROVAL**
- **SCALE**
- **WT**