

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:**

**GENERAL:**

UNITS SHALL BE CAPABLE OF MEETING THE REQUIREMENTS OF SPECIFICATION MIL-R-26 FOR INSULATED TYPE; EXCEPT AS SPECIFIED HEREIN.

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.

SUPPLIER SHALL CONFORM TO THE QUALITY ASSURANCE PROVISIONS SPECIFIED IN ND 1015404, CLASS 2.

INTERPRET DRAWING SYMBOLS, ABBREVIATIONS AND REFERENCE DESIGNATIONS IN ACCORDANCE WITH GOVERNMENT STANDARDS PRESCRIBED IN MIL-D-70327.

PACKAGING: UNITS SHALL BE PACKAGED IN ACCORDANCE WITH ND 1002129.

**INSPECTION AND ACCEPTANCE**

**ELECTRICAL REQUIREMENTS:**

RESISTANCE VALUE: PER TABLE

RESISTANCE TOLERANCE:  $\pm 1\%$

**MECHANICAL REQUIREMENTS:**

LEADS: IRON NICKEL ALLOY COPPER CLAD GOLD PLATED PER NASA SPECIFICATION PS 1015401. A CERTIFICATE OF COMPLIANCE OF LEAD MATERIAL SHALL ACCOMPANY EACH LOT SHIPPED.

MARKING: MARK UNITS PER MIL-STD-130 WITH MANUFACTURER'S NAME AND/OR SYMBOL, NASA PART NUMBER, AND REVISION LETTER, DATE CODE

MANUFACTURER'S PART NUMBER MAY APPEAR ON THE PART OR PACKAGE. MARKING OF UNIT PACKAGES AND EXTERIOR SHIPPING CONTAINERS SHALL INCLUDE NASA PART NUMBER AND REVISION LETTER.

**DESIGN REQUIREMENTS:**

PER MIL-R-26 EXCEPT AS MODIFIED BY THIS DRAWING.

POWER RATING: 1 WATT AT  $+25^{\circ}\text{C}$ , DERATED PER CHART.

TEMPERATURE COEFFICIENT:  $\pm 30$  PPM/ $^{\circ}\text{C}$  UP TO  $+275^{\circ}\text{C}$ .

EACH LEAD SHALL BE CAPABLE OF WITHSTANDING TWO (2) BENDS UNDER A TWO (2) POUND VERTICAL PULL (LEADS 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  $90^{\circ}$  IN ONE DIRECTION, THEN BACK  $180^{\circ}$  TO THE OPPOSITE DIRECTION, THEN BACK  $90^{\circ}$  TO THE ORIGINAL POSITION. NO MECHANICAL DAMAGE OR LACK OF PERFORMANCE SHALL BE EVIDENCED AFTER THE TEST.

MECHANICAL STRENGTH: PER MIL-R-26 EXCEPT 5 LB. MAX LOAD

**SPECIAL CONDITIONING BY SUPPLIER:**

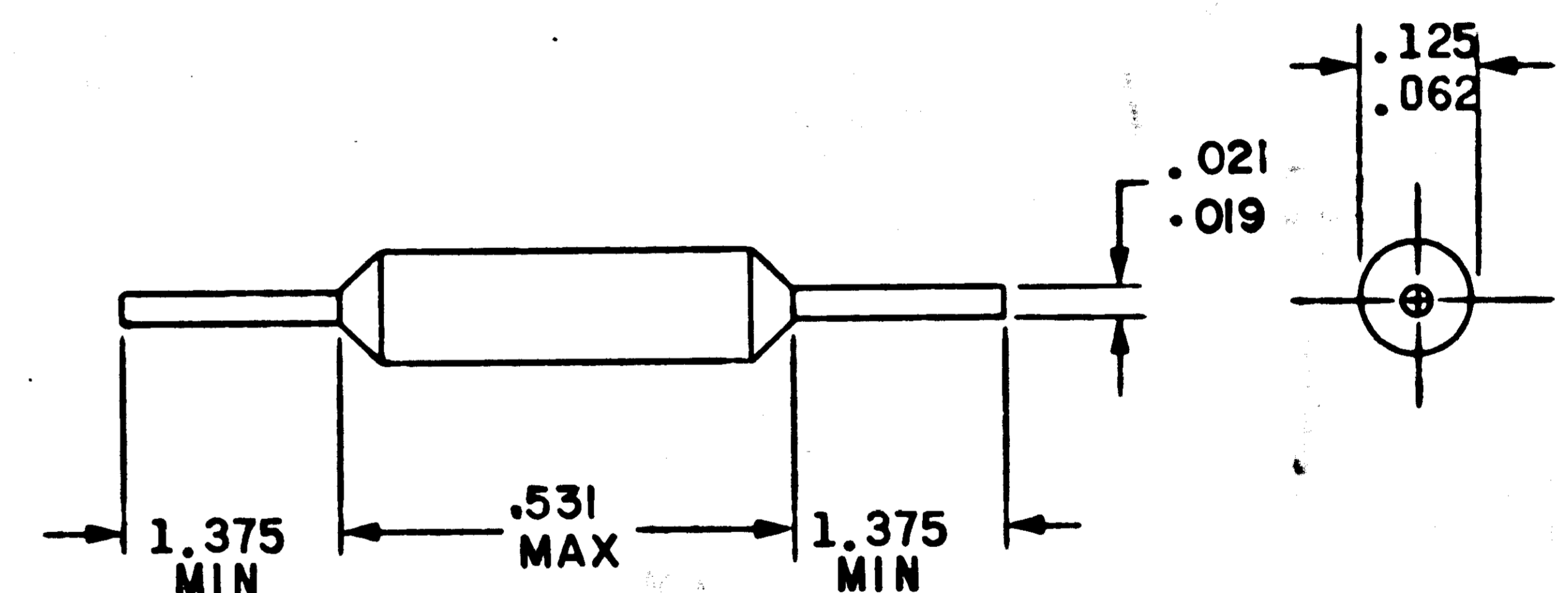
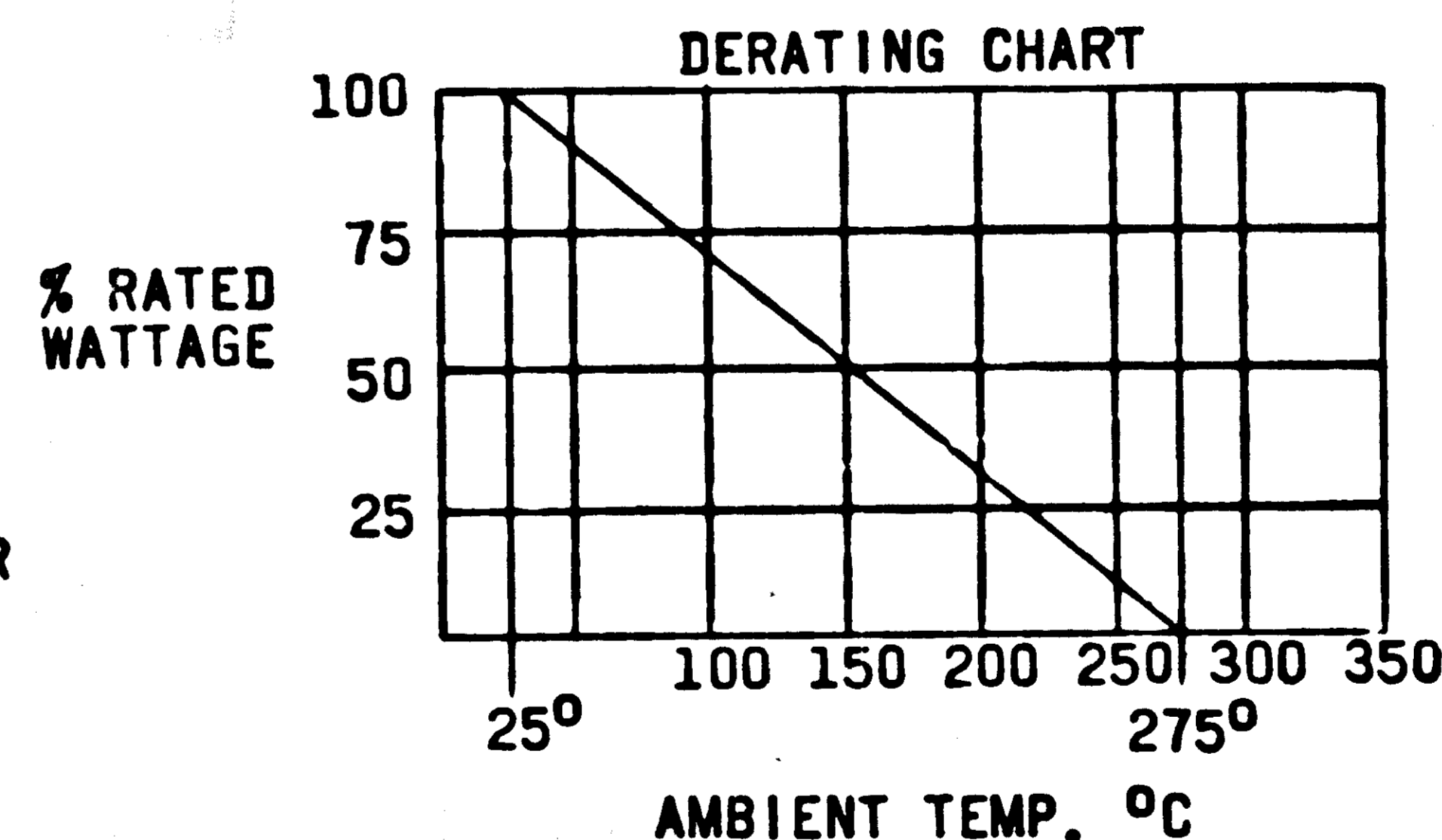
BURN-IN: UNITS SHALL BE BURNED-IN FOR 100 HRS AT  $25^{\circ}\text{C}$  AND RATED WATTAGE 1-1/2 HRS ON, 1/2 HR OFF, UNITS THAT EXCEED THE INITIAL TOLERANCE OR CHANGE MORE THAN .5% SHALL BE REJECTED.

PROCURE ONLY FROM APPROVED SOURCES LISTED IN ND 1002034 FOR THIS DRAWING.

NASA PART NUMBER	RESISTANCE OHMS NOMINAL	NASA PART NUMBER	RESISTANCE OHMS NOMINAL
1	600	23	1
2	610	24	2
3	620	25	3
4	630	26	4
5	640	27	5
6	650	28	6
7	660	29	7
8	670	30	8
9	680	31	9
10	690	32	10
11	700	33	100
12	710		
13	720		
14	730		
15	740		
16	750		
17	760		
18	770		
19	780		
20	790		
21	800		
22	1000		

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
-	INITIAL RELEASE CLASS A PER TDRR 02559	8/14/63	WK
A	REVISED PER TDRR 03702	8/28/63	WK

THE COMPLETE PART NUMBER IS THIS DRAWING NUMBER PLUS THE APPLICABLE DASH NUMBER.



QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	FIND NO.
		LIST OF MATERIALS	
MIT INSTRUMENTATION LAB CAMBRIDGE MASS NAS DWG NO. 9-457		MANNED SPACECRAFT CENTER HOUSTON, TEXAS	
DRAWN <i>L. J. Probst</i> DATE 24 JUL 63 CHECKED <i>Boyer</i> 27 JULY 63 APPROVAL <i>D. Test</i> 8/13/62		RESISTOR, FIXED, WIREWOUND 1 WATT SPECIFICATION CONTROL DRAWING	
MATERIAL SEE NOTES		CODE IDENT NO.	SIZE
HEAT TREATMENT NONE		NASA DRAWING NO. <b>1010604</b>	
FINAL FINISH NONE		SCALE NONE	WT
NEXT ASSY	USED ON	SHEET 1 OF 1	
APPLICATION			

