

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 THEREBY.

#### REQUIREMENTS:

##### 1. 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.

##### 2. INSPECTION AND ACCEPTANCE

###### A. ELECTRICAL REQUIREMENTS:

- RESISTANCE VALUE: PER TABLE
- RESISTANCE TOLERANCE:  $\pm 1\%$

###### B. 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 ND1002019 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, PER MIL-STD-129.

##### 3. 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

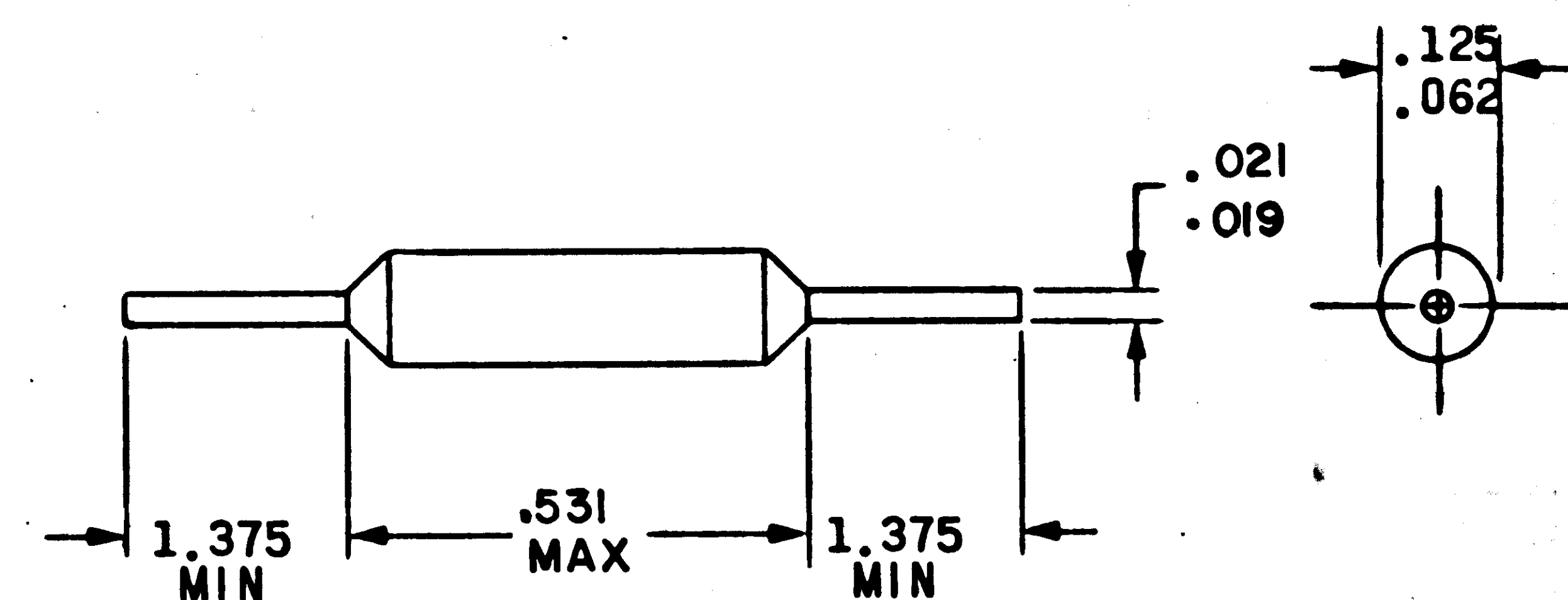
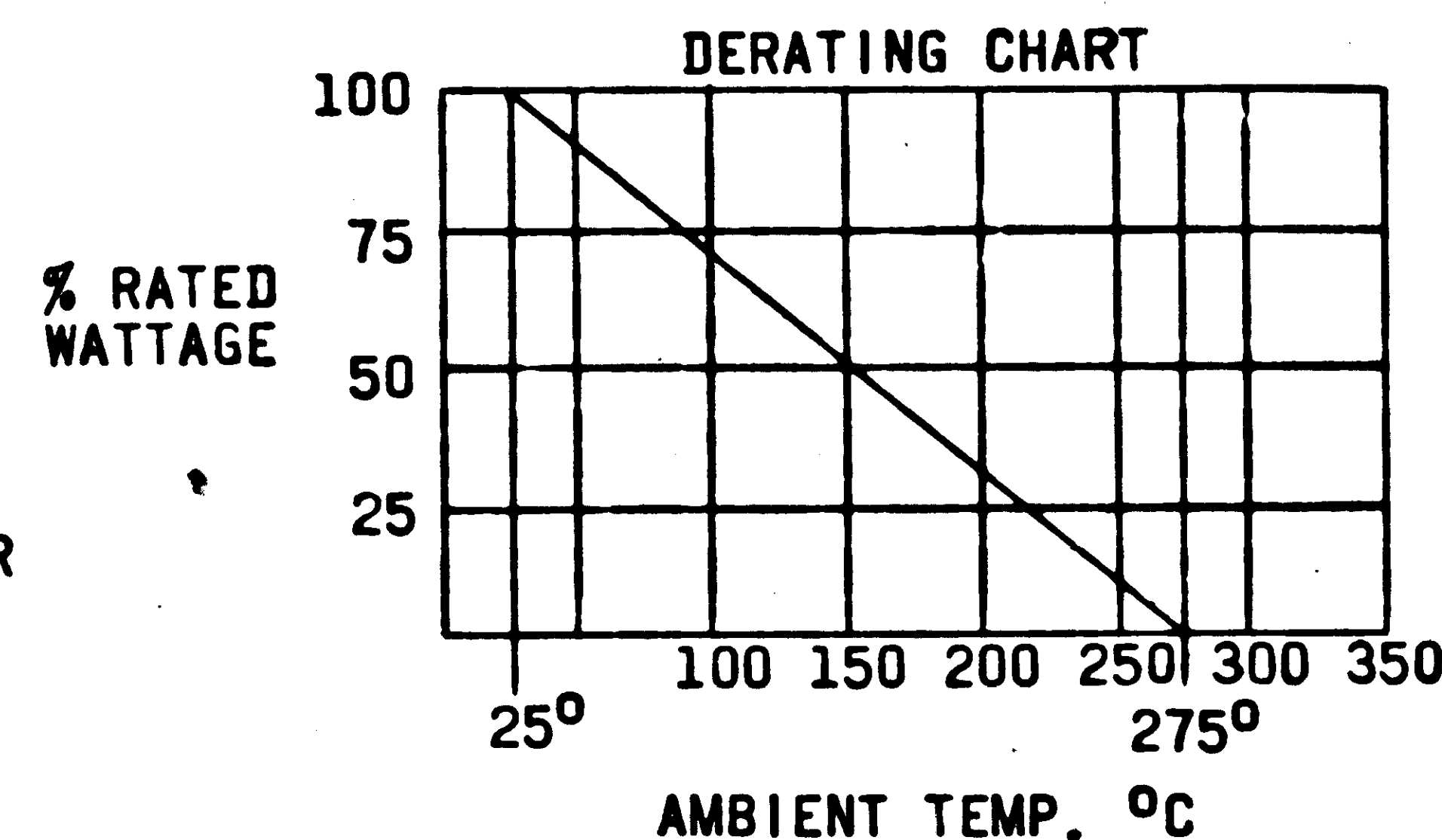
##### 4. SPECIAL CONDITIONING BY SUPPLIER:

- 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	H 1090101	
		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	34	1800
13	720	35	430
14	730	36	0.75
15	740	37	300
16	750	38	3300
17	760	39	2000
18	770	40	16
19	780	41	18
20	790	42	20
21	800	43	22
22	1000	44	24
		45	360
		46	510
		47	1300
		48	75

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
=	INITIAL RELEASE CLASS A PER TDRR 02599	8/14/63	WK
A	REVISED PER TDRR 03702	8/28/63	WK
B	REVISED PER TDRR 06773	3/10/64	PPK WK
C	REVISED PER TDRR 07104	3/26/64	PPK WK
D	REVISED PER TDRR 07314	3/26/64	PPK WK
E	REVISED PER TDRR 10810	7/7/64	WK
F	REVISED PER TDRR 10925	7/21/64	WK
G	REVISED PER TDRR 11136	7/28/64	WK
H	REVISED PER TDRR 14481	12-1-64	WK



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON		
FRACTIONS	DECIMALS	ANGLES
$\pm$	$\pm$	$\pm$
DO NOT SCALE THIS DRAWING MATERIAL		
SEE NOTES		
HEAT TREATMENT NONE		
FINAL FINISH NONE		
NEXT ASSY	USED ON	
APPLICATION		

QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	FIND NO.
		LIST OF MATERIALS	
	MIT INSTRUMENTATION LAB CAMBRIDGE MASS CONTRACT 9-487	MANNED SPACECRAFT CENTER HOUSTON, TEXAS	
	DRAWN <i>L. J. Jacobs</i> DATE <i>24 JUL 63</i> CHECKED <i>Robert</i> DATE <i>27 JUL 63</i> APPROVAL <i>B. J. J. J.</i> DATE <i>8/13/63</i>	RESISTOR, FIXED, WIREWOUND 1 WATT SPECIFICATION CONTROL DRAWING	
	NASA APPROVAL <i>W. J. R. J.</i> DATE <i>8-14-63</i> MIT APPROVAL <i>W. J. R. J.</i> DATE <i>8-14-63</i>	CODE IDENT NO. SIZE C	NASA DRAWING NO. 1010604
		SCALE NONE WT	SHEET 1 OF 1

