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REQUIREMENTS:

1. GENERAL:

- INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
- UNITS SHALL MEET THE REQUIREMENTS OF MIL-R-93 WITH ANY ADDITIONS AND EXCEPTIONS AS NOTED HEREIN. UNITS SHALL BE CAPABLE OF MEETING THE QUALIFICATION REQUIREMENTS OF ND 1002057.
- SUPPLIER SHALL CONFORM TO THE QUALITY ASSURANCE PROVISIONS AS CONTAINED IN ND 1015404 CLASS 2.
- MARKING: UNITS SHALL BE MARKED IN ACCORDANCE WITH MIL-STD-130 WITH RESISTANCE VALUE, TOLERANCE, MANUFACTURER'S NAME/OR SYMBOL AND TYPE NUMBER. THE CONTAINER SHALL BE MARKED IN ACCORDANCE WITH MIL-STD-129 WITH THE MANUFACTURER'S NAME IDENTIFYING NUMBER, ITEM NAME, NASA DRAWING NUMBER, DASH NUMBER AND REVISION LETTER.
- LEADS SHALL BE NICKEL IN ACCORDANCE WITH ND 1015400. A CERTIFICATE OF COMPLIANCE WITH THIS REQUIREMENT SHALL ACCOMPANY EACH SHIPMENT.

2. ACCEPTANCE AND INSPECTION:

- MECHANICAL DIMENSIONS PER DRAWING.
- ELECTRICAL:
 - RESISTANCE SHALL BE AS SPECIFIED IN TABLE.
 - RESISTANCE SHALL BE MEASURED 3/8 ± 1/64 INCH FROM THE RESISTOR BODY.
 - RESISTANCE TOLERANCE: ±1%

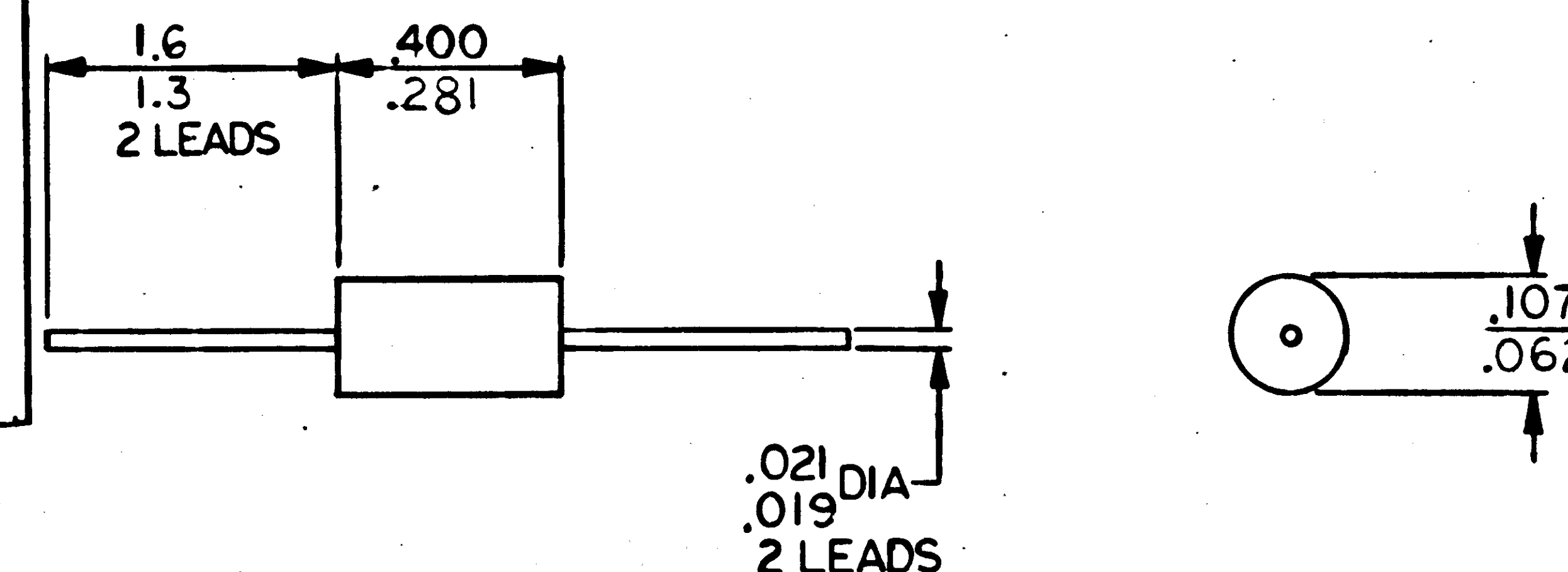
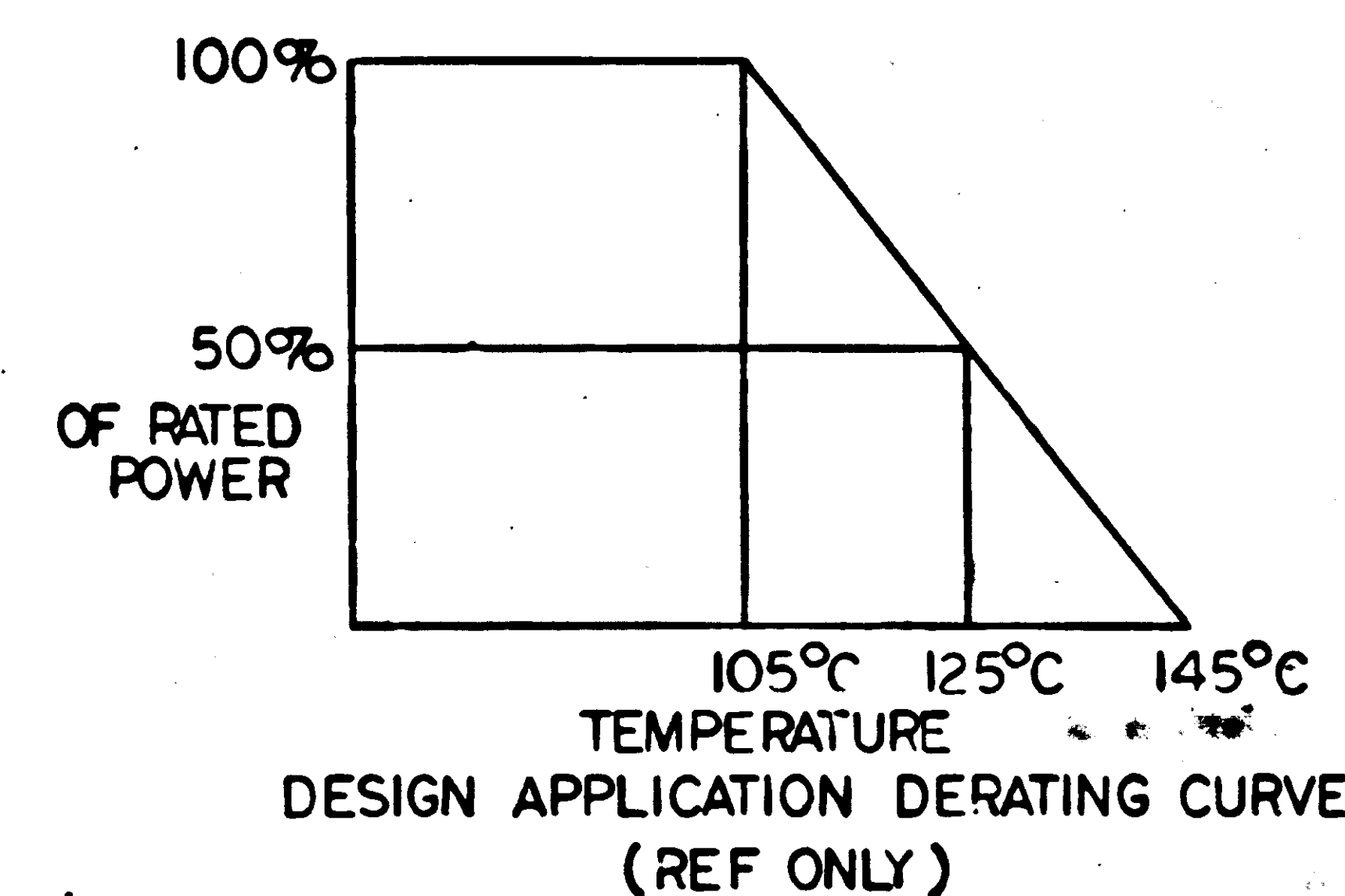
3. DESIGN REQUIREMENTS:

- POWER RATING: 1/4 WATT
- OPERATING TEMPERATURE RANGE: -55°C TO 145°C
- TEMPERATURE COEFFICIENT: 50 PPM/°C

4. SPECIAL CONDITIONING BY SUPPLIER:

- TEMPERATURE CYCLING
 - ALL RESISTORS SHALL BE TEMPERATURE CYCLED IN ACCORDANCE WITH MIL-R-93 PARAGRAPH 4.6.4. ALL PARTS NOT MEETING PARAGRAPH 2.8.1, AND 3 AFTER TEST SHALL BE REJECTED.
- BURN IN:
 - ALL RESISTORS SHALL BE SUBJECTED TO A 50-HOUR FULL POWER BURN IN AT 125°C AMBIENT TEMPERATURE. UNITS EXHIBITING A VARIATION OF RESISTANCE IN EXCESS OF ±0.2% OR CHANGE OUTSIDE OF SPECIFIED TOLERANCE SHALL BE REJECTED. RESISTANCE SHALL BE MEASURED BEFORE AND AFTER TEST, AND DATA IDENTIFIABLE TO EACH RESISTOR SUPPLIED WITH EACH SHIPMENT.

DASH NO.	RESISTANCE IN OHMS	INDUCTANCE μ H MAX
1	4.7	0.1
2	4.8	0.1
3	4.9	0.1
4	5.0	0.1
5	5.1	0.1
6	10	0.13
7	15	0.13
8	20	0.14
9	27	0.17
10	33	0.20
11	39	0.21
12	47	0.25
13	19.5	0.14
14	20.5	0.14
15	2.4	0.1
16	1.7	0.1
17	1.75	0.1
18	1.8	0.1
19	1.85	0.1
20	1.9	0.1
21	1.95	0.1
22	2.0	0.1
23	2.05	0.1
24	2.1	0.1
25	2.15	0.1
26	2.2	0.1
27	2.25	0.1
28	2.3	0.1
29	2.5	0.1
30	2.6	0.1
31	2.7	0.1
32	2.8	0.1



© REPLACES REV B WITH CHANGES

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

MASTER

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON		QTY REQ		PART OR IDENTIFYING NO.		NOMENCLATURE OR DESCRIPTION		FIND NO.	
FRACTIONS DECIMALS ANGLES		MIT INSTRUMENTATION LAB		CAMBRIDGE, MASS.		MANNED SPACECRAFT CENTER		HOUSTON, TEXAS	
DO NOT SCALE THIS DRAWING		DRAWN <i>R. Kane</i> DATE <i>20 May 63</i>		CHECKED <i>George J. Hall</i> DATE <i>20 May 63</i>		RESISTOR, FIXED, WIREWOUND			
MATERIAL		APPROVAL <i>E. J. D. Hall</i> DATE <i>22 May 63</i>		APPROVAL <i>E. J. D. Hall</i> DATE <i>22 May 63</i>		SPECIFICATION CONTROL DRAWING			
SEE NOTES		NASA APPROVAL <i>E. J. D. Hall</i> DATE <i>22 May 63</i>		MIT APPROVAL <i>E. J. D. Hall</i> DATE <i>22 May 63</i>		CODE IDENT NO. SIZE		NASA DRAWING NO.	
HEAT TREATMENT NONE		SCALE NONE		WT		SHEET 1 OF 1			
FINAL FINISH NONE									
APPLICATION									

INCHES
0 1 2
PHOTOGRAPHIC SCALE ONLY