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8829001			
REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
C	REPLACES REV B WITH CHANGES PER TDRR 01287	5/22/63	AKB
D	REVISED PER TDRR 01557	12/20/63	AKB

REQUIREMENTS:

1. GENERAL:

- A. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
- B. UNITS SHALL MEET THE REQUIREMENTS OF MIL-R-93 WITH ANY ADDITIONS AND EXCEPTIONS AS NOTED HEREIN.
- C. SUPPLIER SHALL CONFORM TO THE QUALITY ASSURANCE PROVISIONS AS CONTAINED IN ND 1015404 CLASS 2.
- D. 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.
- E. LEADS SHALL BE NICKEL IN ACCORDANCE WITH ND 1015400. A CERTIFICATE OF COMPLIANCE WITH THIS REQUIREMENT SHALL ACCOMPANY EACH SHIPMENT.

DASH NO.	RESISTANCE IN OHMS
1	4.7
2	4.8
3	4.9
4	5.0
5	5.1
6	10
7	15
8	20
9	27
10	33
11	39
12	47
13	19.5
14	20.5
15	2.4

2. ACCEPTANCE AND INSPECTION:

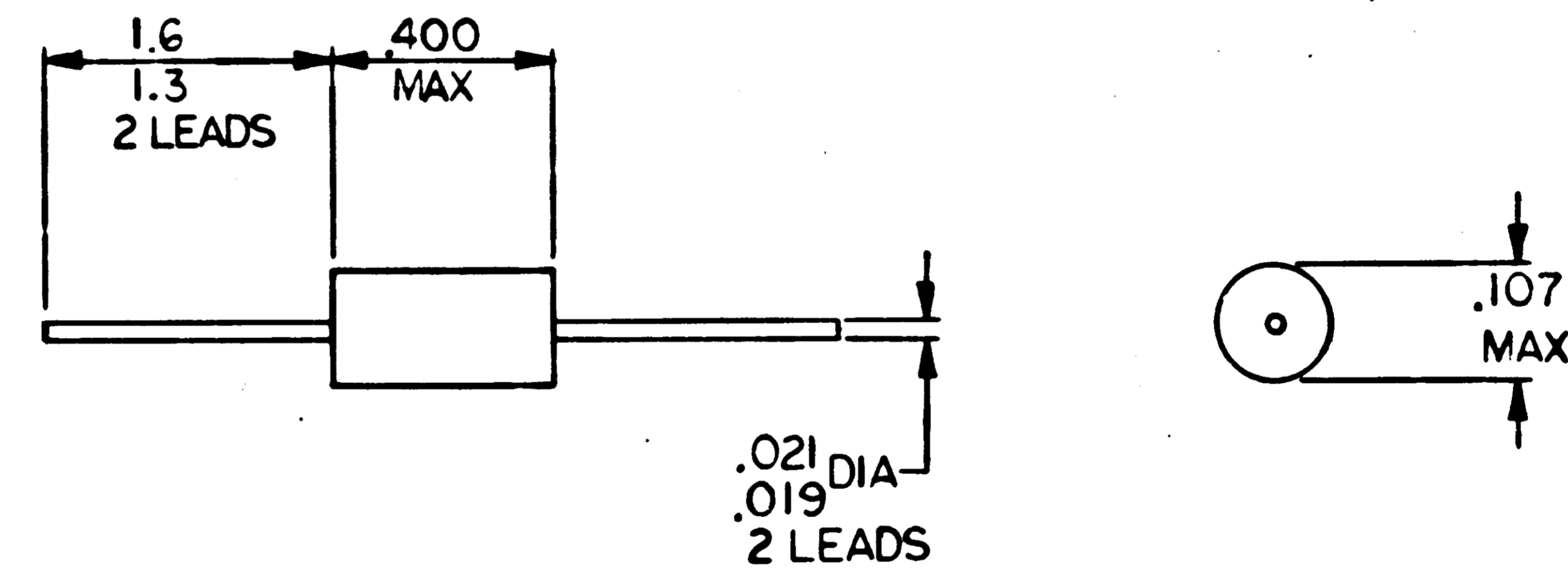
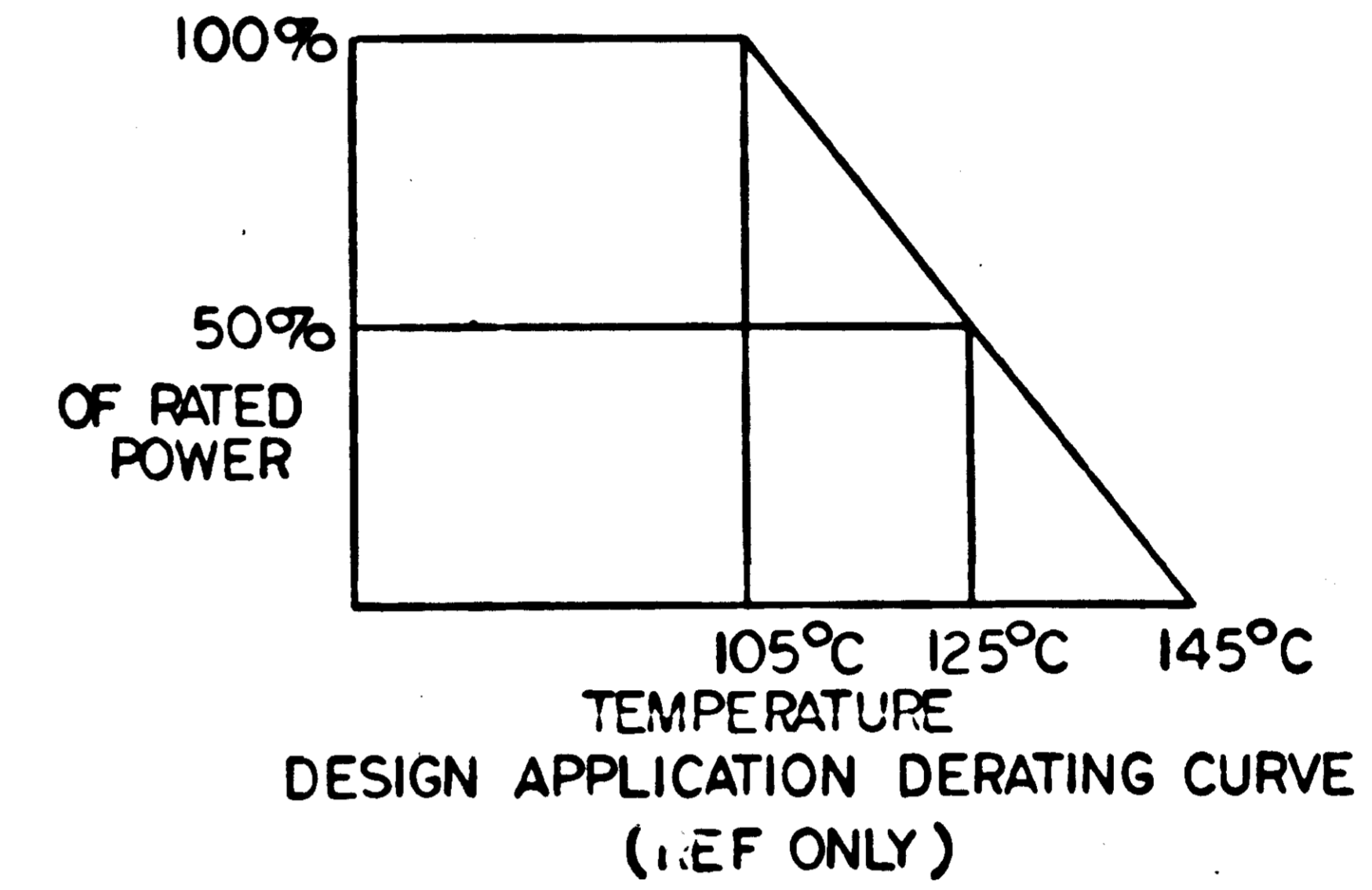
- A. MECHANICAL DIMENSIONS PER DRAWING.
- B. ELECTRICAL:
 - (1) RESISTANCE SHALL BE AS SPECIFIED IN TABLE.
 - (2) RESISTANCE SHALL BE MEASURED 3/8 ± 1/64 INCH FROM THE RESISTOR BODY.
 - (3) RESISTANCE TOLERANCE: ±1%

3. DESIGN REQUIREMENTS:

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

4. SPECIAL CONDITIONING BY SUPPLIER:

- A. TEMPERATURE CYCLING
 - (1) 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.
- B. BURN IN:
 - (1) 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.



© REPLACES REV B WITH CHANGES

PROCURE ONLY FROM APPROVED SOURCES LISTED ON ND 1082034 FOR THIS DRAWING.

MASTER

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON	
FRACTIONS	DECIMALS ANGLES
±	± ±
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.		MANNED SPACECRAFT CENTER HOUSTON, TEXAS	
DRAWN <i>R. Kane</i> DATE <i>20 May 63</i>		RESISTOR, FIXED, WIREWOUND SPECIFICATION CONTROL DRAWING	
CHECKED <i>George J. P. D.</i> DATE <i>20 May 63</i>			
APPROVAL <i>J. D. Marshall</i> DATE <i>22 May 63</i>			
APPROVAL <i>Edwin C. Hall</i> DATE <i>22 May 63</i>		NASA DRAWING NO. 1006788	
NASA APPROVAL <i>J. J. Schmitt</i> DATE <i>5/22/63</i>		CODE IDENT NO. C	SIZE
MIT APPROVAL <i>J. Nagel</i> DATE <i>5/22/63</i>		SCALE NONE	WT
		SHEET 1	OF 1

