

NOTES:

1. GENERAL REQUIREMENTS:

- A. UNITS SHALL MEET THE REQUIREMENTS OF SPECIFICATION MIL-R-26, CHARACTERISTIC G, FOR INSULATED TYPES; EXCEPT AS AND IN ADDITION TO THE REQUIREMENTS SPECIFIED HEREIN. MILITARY QUALIFICATION TESTING IS NOT REQUIRED.
2. ELECTRICAL REQUIREMENTS:
 - A. POWER RATING: 3 WATTS.
 - B. RESISTANCE TOLERANCE: $\pm 1\%$.
 - C. TEMPERATURE COEFFICIENT: ± 20 PPM/ $^{\circ}\text{C}$.
 - D. MAXIMUM RATED CONTINUOUS WORKING VOLTAGE: 150 VOLTS.
3. CONSTRUCTION REQUIREMENTS:
 - A. RESISTANCE ELEMENT: RESISTANCE WIRE USED SHALL HAVE A MINIMUM DIAMETER OF 0.001 INCH.
 - B. HOUSING: METAL TUBING.
 - C. LEADS: NICKEL ALLOY PER NASA SPECIFICATION PS 1015400.

A CERTIFICATE OF COMPLIANCE OF LEAD MATERIAL SHALL ACCOMPANY EACH LOT SHIPPED. EACH LEAD SHALL BE CAPABLE OF WITHSTANDING TWO (2) BENDS UNDER A TWO (2) POUND VERTICAL PULL (LEAD 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° IN ONE DIRECTION, THEN BACK 180° TO THE OPPOSITE DIRECTION, THEN BACK 90° TO THE ORIGINAL POSITION. NO MECHANICAL DAMAGE OR LACK OF PERFORMANCE SHALL BE EVIDENCED AFTER THE TEST.
 - D. MARKING: MARK UNITS PER MIL-STD-130 WITH MANUFACTURER'S NAME AND/OR SYMBOL, TYPE NUMBER, RESISTANCE VALUE, TOLERANCE, POWER RATING.

MARKING OF UNIT PACKAGES AND EXTERIOR SHIPPING CONTAINERS SHALL INCLUDE NASA DRAWING NUMBER AND REVISION LETTER.

4. QUALIFICATION:

- A. UNITS SHALL MEET THE REQUIREMENTS OF ND1002057.
5. QUALITY ASSURANCE REQUIREMENTS:
 - A. SUPPLIERS SHALL CONFORM TO THE QUALITY ASSURANCE PROVISIONS CONTAINED IN NASA SPECIFICATION ND 1015404, CLASS 2.
6. TEST REQUIREMENTS:
 - A. BURN-IN TEST: THE MANUFACTURER SHALL BURN-IN ALL RESISTORS FOR 100 HOURS AT +25°C AT 3 WATTS. RESISTANCE CHANGE SHALL NOT BE GREATER THAN 0.5% AND SHALL NOT EXCEED THE INITIAL PURCHASE TOLERANCE.

2. INTERPRET DRAWING

PROCURE ONLY FROM APPROVED SOURCES LISTED
ON ND1002034 FOR THIS DRAWING.

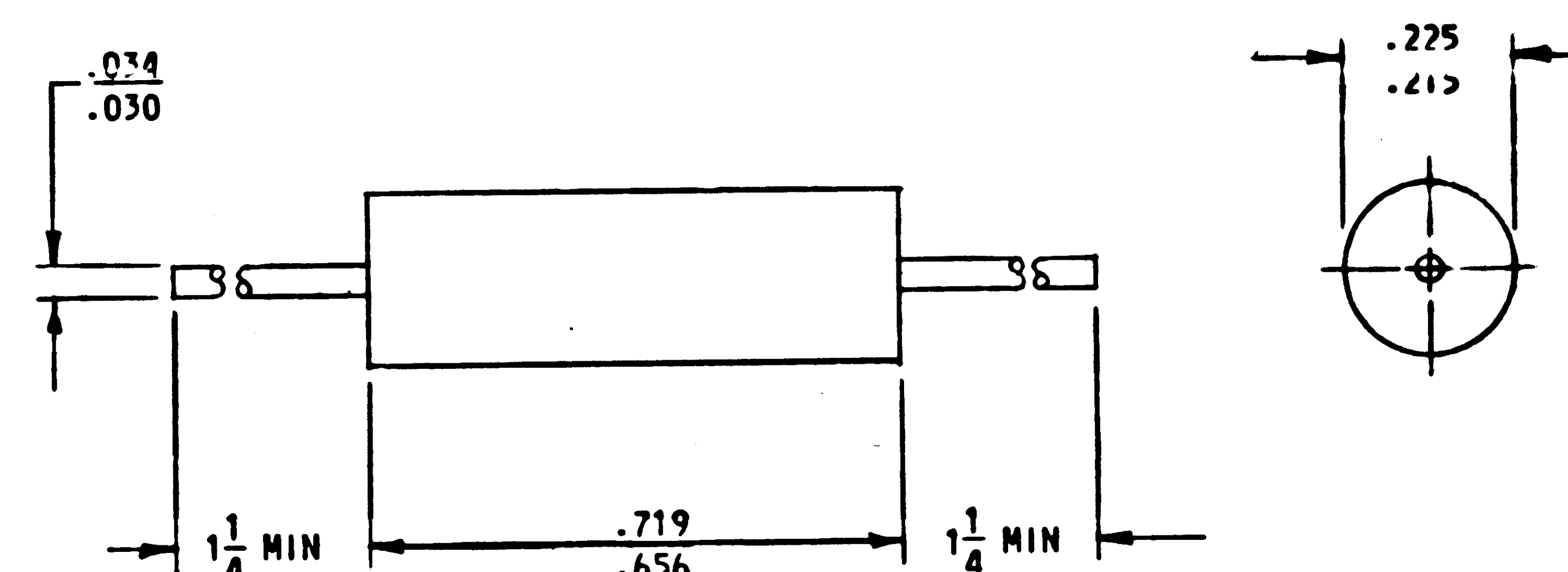
MOSTER

B	B
A	A
—	—
SHEET 1	SHEET 2
REVISION STATUS OF SHEETS	

NEXT ASSY	USED ON
APPLICATION	

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		


QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION		FIND NO.
LIST OF MATERIALS				
MIT INSTRUMENTATION LAB CAMBRIDGE, MASS.		MANNED SPACECRAFT CENTER HOUSTON, TEXAS		
DWG. NO.	CONTRACT			
DRAWN <i>D. Bergman</i> DATE <i>31 DEC 63</i> CHECKED <i>E. J. Fowler 1-25-63</i> APPROVAL <i>E. J. Fowler 2/6/63</i> APPROVAL _____		RESISTOR, FIXED, WIREWOUND SPECIFICATION CONTROL DRAWING		
NASA APPROVAL <i>[Signature]</i>	CODE IDENT NO.	SIZE C	NASA DRAWING NO. 1010389	
MIT APPROVAL <i>[Signature]</i>	SCALE NONE	WT	SHEET 1	OF 2



FOR INFORMATION ONLY

CLASS B RELEASE TDR No. 00497 DATE 3-6-69

INCHES



0 1 2

PHOTOGRAPHIC SCALE ONLY

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BASIC RESISTANCE OHMS	MULTIPLIER				
	10 ⁻¹	1	10	10 ²	10 ³
	NASA DASH NO.				
10		8	32	56	80
11		9	33	57	81
12		10	34	58	82
13		11	35	59	83
15		12	36	60	84
16		13	37	61	85
18		14	38	62	86
20		15	39	63	87
22		16	40	64	88
24		17	41	65	89
27		18	42	66	90
30		19	43	67	91
33		20	44	68	
36		21	45	69	
39		22	46	70	
43		23	47	71	
47		24	48	72	
51	1	25	49	73	
56	2	26	50	74	
62	3	27	51	75	
68	4	28	52	76	
75	5	29	53	77	
82	6	30	54	78	
91	7	31	55	79	

DASH NO. 92 = 43 OHMS

DASH NO. 93 = 600 OHMS

DASH NO. 94 = 1 OHM
95 = 2600 OHMS
96 = 2800 OHMS
97 = 4100 OHMS
98 = 4500 OHMS
99 = 5300 OHMS
100 = 5800 OHMS
101 = 6100 OHMS
102 = 6300 OHMS
103 = 6600 OHMS
104 = 6900 OHMS
105 = 7200 OHMS
106 = 7800 OHMS

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
-			
A	REVISED PER TDR 00864	17 Apr 63	W.K.
B	REVISED PER TDR 01109	1 May 63	W.K.

FOR INFORMATION ONLY

CLASS B RELEASE TDR No. 00477 DATE 3-6-63

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>Ray Wheeler</i> DATE <i>25 Jan 63</i> CHECKED <i>W.F. Borden</i> 1-25-63 APPROVAL <i>W.F. Borden</i> 3/6/63		RESISTOR, FIXED, WIREWOUND	
DO NOT SCALE THIS DRAWING MATERIAL		SPECIFICATION CONTROL DRAWING	
HEAT TREATMENT		CODE IDENT NO.	NASA DRAWING NO.
NASA APPROVAL <i>W.F. Borden</i>		SIZE C	1010389
MIT APPROVAL <i>W.F. Borden</i>		SCALE NONE	WT
SHEET 2 OF 2			

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON	
FRACTIONS DECIMALS ANGLES	
± ± ±	
DO NOT SCALE THIS DRAWING	
MATERIAL	
HEAT TREATMENT	
FINAL FINISH	
NEXT ASSY	USED ON
APPLICATION	

