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NOTES:

1. GENERAL REQUIREMENTS:

- UNITS SHALL MEET THE APPLICABLE REQUIREMENTS OF MIL-R-93 STYLE BB55, CHARACTERISTIC C; EXCEPT AS AND IN ADDITION TO THE REQUIREMENTS SPECIFIED HEREIN.
- RESISTANCE VALUES: SEE TABLE.
- RESISTANCE TOLERANCE: SEE TABLE.
- POWER RATING: 1/10 WATT AT +125°C.
- TEMPERATURE COEFFICIENT: ± 15 PPM/°C OVER OPERATING TEMPERATURE RANGE, EXCEPT FOR VALUES BELOW 20 OHMS WHICH SHALL BE $\pm .006$ OHMS MAXIMUM.
- MAXIMUM VOLTAGE RATING: 150 VOLTS.
- STABILITY: 100 PPM/YEAR AT +25°C AT 1/2 RATED POWER.
- TEMPERATURE RANGE: MINUS 65°C TO PLUS 125°C.

2. CONSTRUCTION REQUIREMENTS:

- LEADS: UNITS SHALL HAVE WELDABLE DUMET LEADS PER ND PS1015401. 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 (LEADS VERTICAL WITH RESPECT TO UNIT BODY). TWO (2) BENDS SHALL BE ACCOMPLISHED BY MOVING THE BODY OF THE UNIT, WHILE IN THE PLANE, THROUGH 90° IN ONE DIRECTION, THEN BACK 180° TO THE OPPOSITE DIRECTION AND BACK 90° TO THE ORIGINAL POSITION. NO MECHANICAL DAMAGE OR LACK OF PERFORMANCE SHALL BE EVIDENCED AFTER THE TEST.

EACH LEAD SHALL BE CAPABLE OF WITHSTANDING AN AXIAL PULL OF FOUR (4) POUNDS MINIMUM.
- MARKING: MARK UNITS PER MIL-STD-130 WITH MANUFACTURER'S NAME AND/OR SYMBOL, TYPE NUMBER, RESISTANCE VALUE AND TOLERANCE.

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

3. ENVIRONMENTAL REQUIREMENTS:

- UNITS SHALL BE CAPABLE OF MEETING THE ENVIRONMENTAL REQUIREMENTS OF ND 1002000.
- BURN IN: SHALL BE IN ACCORDANCE WITH ND
- SUPPLIER SHALL CONFORM TO THE QUALITY ASSURANCE PROVISIONS OF ND 1015404 CLASS I.
- INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

ORIGINAL SOURCE OF SUPPLY:

ULTRONIX
111 E. 20TH AVENUE
SAN MATEO, CALIFORNIA
TYPE 105A(MOD)

THE DAVEN COMPANY
ROUTE 10
LIVINGSTON, NEW JERSEY
TYPE 1403

DASH NO.	NOMINAL RES OHMS	RES TOL
1	4,000	$\pm 0.1\%$
2	87,500	
3	88,750	
4	90,000	
5	91,250	
6	92,500	
7	93,750	
8	95,000	
9	96,250	
10	97,500	
11	98,750	
12	100,000	
13	101,250	
14	102,500	
15	103,750	
16	105,000	
17	106,250	
18	107,500	
19	108,750	
20	110,000	
21	111,250	
22	112,500	$\pm 0.1\%$
23	50	$\pm 1\%$
24	374	
25	400	
26	600	
27	650	
28	700	
29	750	
30	775	
31	850	
32	925	
33	1,000	
34	1,100	
35	1,200	
36	3,300	
37	10,000	
38	22,500	
39	35,000	
40	45,000	
41	67,500	
42	90,000	
43	112,000	
44	134,500	
45	157,000	
46	179,500	
47	202,500	
48	225,000	$\pm 1\%$
49	39,000	
50	20,000	
51	5,000	
52	25,000	

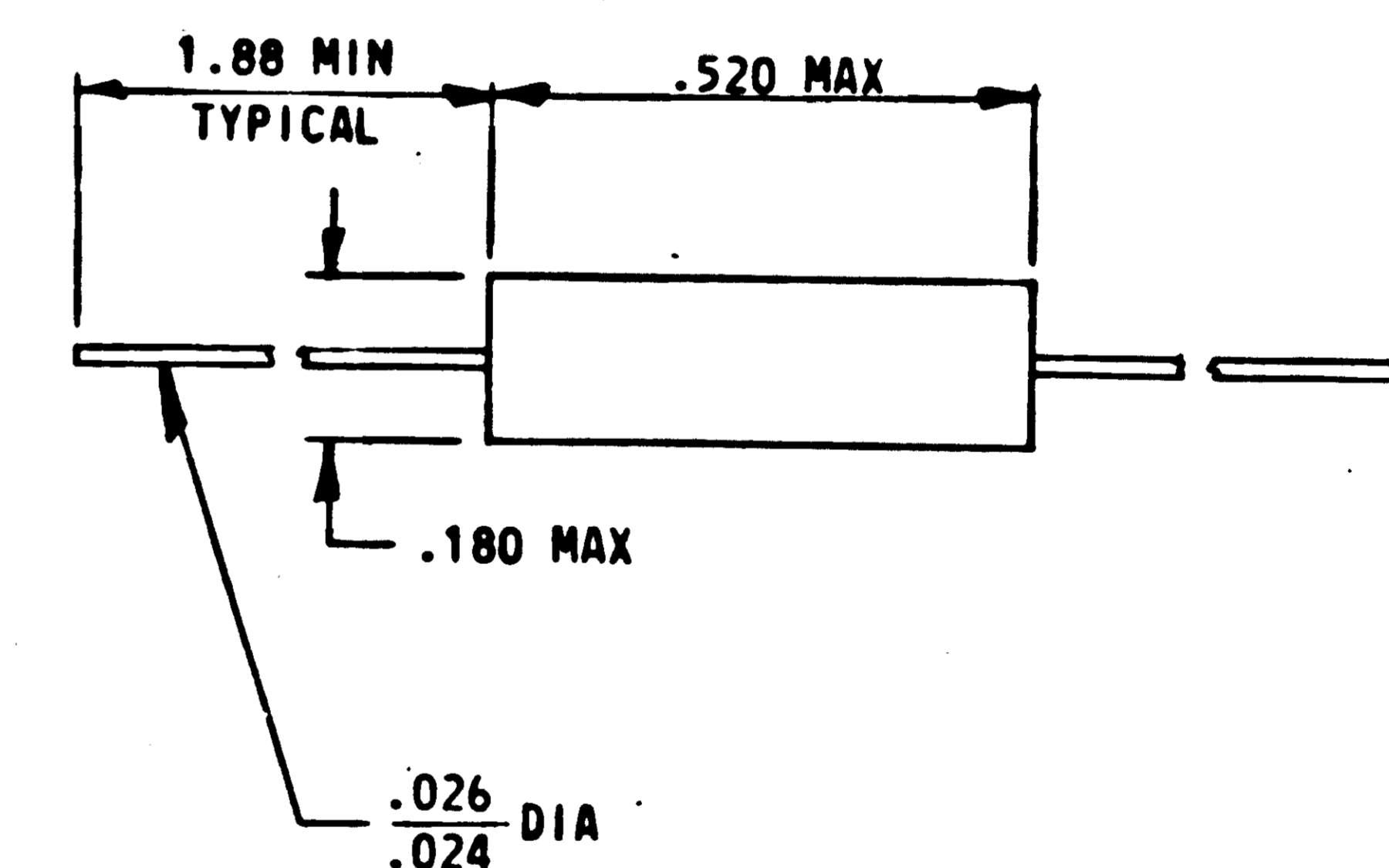
DASH NO.	NOMINAL RES OHMS	RES TOL
53	25,000	$\pm 0.1\%$
54	12,908	
55	8,330	
56	6,250	
57	1	$\pm 0.5\%$
58	2	
59	3	
60	4	
61	5	
62	6	
63	7	
64	8	
65	9	
66	10	
67	11	
68	12	
69	13	
70	14	
71	15	
72	16	
73	17	
74	18	
75	19	

1010377

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
-	TAKEN FROM BUWPS DWG C2318927		
A	REVISED PER TDR 00206	28 DEC 62	WJ

FOR INFORMATION ONLY

CLASS B RELEASE TDR No. 00162 DATE 12/12/62



		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		MANNED SPACECRAFT CENTER HOUSTON, TEXAS	
DRAWN <i>D.M. Shupen</i> DATE 6 DEC 62 CHECKED <i>D.M. Shupen</i> 6 DEC 62 APPROVAL <i>D. Cushman</i> 10 DEC 62		RESISTORS, FIXED, WW, PRECISION	
APPROVAL		SPECIFICATION CONTROL DRAWING	
NASA APPROVAL <i>W.J. Rhee</i> 12-12-62 MIT APPROVAL <i>W.J. Rhee</i> 12/12/62		CODE IDENT NO. SIZE C	NASA DRAWING NO. 1010377
SCALE NONE		WT	SHEET 1 OF 1