DATE APPROVAL DESCRIPTION INITIAL RELEASE CLASS A 4/15/67 PER TDRR /2606 4/2765 WK REVISED PER TDRR 18242

REQUIREMENTS:

- 1. GENERAL:
 - A. UNITS SHALL MEET THE APPLICABLE REQUIREMENTS OF MIL-R-10509, STYLE RN60, CHARACTERISTIC B, TOLERANCE F, EX-CEPT AS SPECIFIED HEREIN.
 - B. UNITS SHALL BE CAPABLE OF MEETING THE QUALIFICATION RE-QUIREMENTS SPECIFIED IN ND 1002057 UNLESS MODIFIED OR AMENDED BY THE DESIGN REQUIREMENTS SECTION OF THIS DRAWING.
 - C. THE SUPPLIER SHALL CONFORM TO THE QUALITY ASSURANCE PRO-VISIONS SPECIFIED IN ND 1015404, CLASS 2.
 - D. INTERPRET DRAWING SYMBOLS, ABBREVIATIONS, AND REFERENCE DESIGNATIONS IN ACCORDANCE WITH GOVERNMENT STANDARDS PRESCRIBED IN MIL-D-70327.
 - E. UNIT PACKAGING AND PACKING SHALL BE IN ACCORDANCE WITH ND 1002129.
- 2. INSPECTION AND ACCEPTANCE:
 - A. ELECTRICAL REQUIREMENTS:
 - (1) RESISTANCE VALUE: PER TABLE
 - (2) RESISTANCE TOLERANCE: PER TABLE ± 1%
 - B. MECHANICAL REQUIREMENTS:
 - (1) LEAD MATERIAL SHALL BE NICKEL ALLOY PER NASA DOCUMENT PS 1015400. A CERTIFICATE OF COMPLIANCE WITH THIS REQUIREMENT SHALL ACCOMPANY EACH SHIPMENT.
 - (2) UNIT MARKING: THE MANUFACTURER'S NAME OR SYMBOL, THE NASA DRAWING NUMBER, DASH NUMBER (IF ANY), REVISION LETTER, SHALL BE PERMANENTLY AND LEGIBLY MARKED ON THE PART PER MIL-STD-130. MANUFACTURER'S PART OR TYPE NUM-BER MAY APPEAR ON THE PART OR PACKAGE.
 - (3) DIMENSIONS PER FIGURE
- 3. DESIGN REQUIREMENTS:
 - A. PER THE REQUIREMENTS OF MIL-R-10509 AS MODIFIED BY THIS DRAWING.
 - B. POWER RATING: 1/8 WATT AT +70°C; DERATING LINEAR TO +150°C
 - C. MAX CONTINUOUS WORKING VOLTAGE: 250 VOLTS
 - D. TEMPERATURE COEFFICIENT: -500PPM/°C (-55°C TO +150°C) FOR VALUES THRU 4,530,000Ω. -625PPM/°C (-55°C TO +150°C) FOR VALUES 4,640,000Ω THRU 10,300,000Ω.
 - E. DIELECTRIC WITHSTANDING VOLTAGE: 750 VOLTS RMS AT ATMOSPHERIC PRESSURE.
- 4. SPECIAL CONDITIONING BY SUPPLIER:
 - A. BURN-IN: THE UNITS SHALL BE BURNED IN FOR 100 HOURS AT +70°C AND RATED POWER. THE RESISTANCE CHANGE SHALL NOT EXCEED .5%. THE UNITS SHALL NOT EXCEED THE INITIAL TOLERANCE BI AFTER BURN-IN.

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BEFORE OR			QTY REQD	PART OR IDENTIFYING NO.	N	DMENCLATURE OR DESCRIPTION	FIND NO.	
	REVISION STATUS OF SHEETS UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES DO NOT SCALE THIS DRAWING MATERIAL SEE REQUIREMENTS NONE NEXT ASSY USED ON FINAL FINISH NONE REQD IDENTIFYING NO. MIT T INSTRUMENTATION LAB CAMBRIDGE MASS CONTROCT MASS 9-497 CONTROCT MASS 9-497 CONTROCT MASS 9-497 CONTROCT MASS 9-497 COARBON RESISTOR, CARBON MIT APPROVAL MIT APPROVAL SCALE NONE WIT SCALE NONE WIT							
		DIMENSIONS ARE IN INCHES	•	CAMBRIDGE MASS Contract NAS 9-497	 	SPACECRAFT CENTER OUSTON, TEXAS		
		DO NOT SCALE THIS DRAWING MATERIAL SEE REQUIREMENTS HEAT TREATMENT	CHECKED Ed Foster 18 Aug 64		RESISTOR, FIXED			
			APPROVAL -		SPECIFICATI	ON CONTROL DRAWING		
			NASA APPROVAL W 9 Phine		CODE IDENT NO. SIZE	NASA DRAWING NO.		
NEXT ASSY	USED ON	FINAL FINISH	-{		00230	1010768		
APPLI	CATION	NONE			SCALE NONE WT	SHEET 1 C	OF 2	
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PROCURE ONLY FROM APPROVED SOURCES LISTED ON ND 1002034 FOR THIS DRAWING.

REVISIONS DESCRIPTION DATE APPROVAL INITIAL RELEASE CLASS A PER TDRR /2606 REVISED PER TDRR 18242

			Lavou	Taratarar II DAGU L DECLOTANOS			DACII	DECICEANCE		
	DASH	RESISTANCE	DASH	RESISTANCE	DASH	RESISTANCE	DASH	RESISTANCE	DASH	RESISTANCE
	NO.	OHMS	NO.	OHMS	NO.	OHMS	NO.	OHMS	NO. 165	249000
	1	511,000	42	1,370,000	83	3,650,000	124	9,760,000	166	255000
	2	523,000	43	1,400,000	84	3,740,000	125	10,000,000	167	261000
	3	536,000	44	1,630,000	85	3,830,000	126	6,320,000		2/2
Ì	4	549,000	45	1,470,000	86	3,920,000	127 128	100,000 102,000		267 274
	5	562,000	46	1,500,000	87	4,020,000	129	105	170	280
	6	576,000	47	1,540,000	88	4,120,000	1170	107		207
	7	590,000	48	1,580,000	89	4,220,000	130	107 110		287 294
	8	604,000	49	1,620,000	90	4,320,000	132	113	173	301
	9	619,000	50	1,650,000	91	4,420,000				
ı	10	634,000	51	1,690,000	92	4,530,000		115	İ	309
	11	649,000	52	1,740,000	93	4,640,000	135	118 121	176	316 324
	12	665,000	53	1,780,000	94	4,750,000	177		170	
	13	681,000	54	1,820,000	95	4,870,000		124 127		332 340
	14	698,000	55	1,870,000	96	4,990,000	138	130	179	348
	15	715,000	56	1,910,000	97	5,110,000		477	1	753
	16	732,000	57	1,960,000	98	5,230,000		133 137	1	357 365
	17	750,000	58	2,000,000	99	5,360,000	141	140	182	374
	18	768,000	59	2,050,000	100	5,490,000	'-'		102	
	19	787,000	60	2,100,000	101	5,620,000		143 147		383 392
5 4	20	806,000	61	2,150,000	102	5,760,000	144	150	185	402
	21	825,000	62	2,210,000	103	5,900,000			100	
	22	845,000	63	2,260,000	104	6,040,000		154 158		412 422
	23	866,000	64	2,320,000	105	6,190,000	147	162	183	432
	24	887,000	65	2,370,000	106	6,340,000				
	25	909,000	66	2,430,000	107	6,490,000		165		442
	26	931,000	67	2,450,000	108	6,650,000	150	169 174	191	453 464
	27	953,000	68	2,550,000	109	6,810,000	170		171	404
	28	976,000	69	2,610,000	110	6,980,000		178		475
	29	1,000,000	70	2,670,000	111	7,150,000	1.57	182	1.04	487
	30	1,020,000	71	2,740,000	112	7,320,000	153	187	194	499 ▼
	31	1,050,000	72	2,800,000	113	7,500,000		191		
	32	1,070,000	73	2,870,000	114	7,680,000		196		
	33	1,100,000	74	2,940,000	115	7,870,000	156	200	4	
	34	1,130,000	75	3,010,000	116	8,060,000		205 .		
В	35	1,150,000	76	3,090,000	117	8,250,000		210		
	36	1,180,000	77	3,160,000	118	8,450,000	159	215		
	37	1,210,000	78	3,240,000	119	8,660,000		221		
	38	1,240,000	79	3,320,000	120	8,870,000		226		
	39	1,270,000	80	3,400,000	121	9,090,000	162	232		
	40	1,300,000	81	3,480,000	122	9,310,000		237		
	41	1,330,000	82	3,570,000	123	9,530,000	164	243		

THE COMPLETE PART NUMBER SHALL BE THIS DRAWING NUMBER PLUS THE APPLICABLE DASH NUMBER, AND REVISION LETTER.

MOTICE — 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 YHEREBY 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 THERETO.

			QTY REQD	PART OR IDENTIFYING NO.		NOMENCLATURE OR DESCRIPTION		FIND NO.	
				LIST OF MATERIALS					
ļ		UNLESS OTHERWISE SPECIFIED . DIMENSIONS ARE IN INCHES TOLERANCES ON	DWG.	MIT NSTRUMENTATION LAB CAMBRIDGE, MASS. Contract NAS 9-497					
FRACTIONS DECIMALS ± DO NOT SCALE THIS DRAW! MATERIAL HEAT TREATMENT		DO NOT SCALE THIS DRAWING	CHECK	Render JUN-64 RED Ed Foton 18 AUG 64 OVAL S. R. Test 15 Sypt 64 OVAL	RESISTOR FIXED, CARBON FILM				
			NASA	APPROVAL De Phine 9-15-64 PPROVAL De Nagul 9/15/67	CODE IDENT NO. 80230		RAWING NO. 768		
APPLIC		FINAL FINISH	MIT APPROVAL & Hagel 9/15/67		SCALE	WT	SHEET 2 OF	2	
2						1		-	