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NOTES:

1. GENERAL REQUIREMENTS:

A. UNITS SHALL MEET THE APPLICABLE REQUIREMENTS OF MIL-R-22684 FOR TYPE RL 20 WITH THE EXCEPTIONS AND ADDITIONS SPECIFIED HEREIN.

B. EXCEPTIONS:

- (1) UNITS SHALL HAVE WELDABLE GOLD COATED DUMET LEADS PER NASA DOCUMENT PS 1015401. A CERTIFICATE OF COMPLIANCE OF LEAD MATERIAL AND FINISH SHALL ACCOMPANY EACH LOT SHIPPED.
- (2) INITIAL RESISTANCE SHALL BE PLUS OR MINUS 2% OF THE SPECIFIED VALUE.
- (3) TEMPERATURE COEFFICIENT:
 $\pm 200 \text{ P.P.M./}^\circ\text{C}$ MAX FROM -55°C TO 150°C .
- (4) UNITS SHALL BE CAPABLE OF MEETING AN END OF LIFE TOLERANCE OF $\pm 5\%$ OF NOMINAL VALUE SPECIFIED AFTER 5000 HOURS WHEN ENERGIZED AS SHOWN IN DESIGN APPLICATION DERATING CURVE BELOW.
- (5) MARKING: UNITS SHALL BE PERMANENTLY AND LEGIBLY MARKED PER STANDARD MIL-STD-130 WITH THE MANUFACTURER'S SYMBOL, TYPE DESIGNATION, NUMERICAL RESISTANCE, VALUE AND TOLERANCE LETTER G INDICATING PLUS OR MINUS 2 PERCENT RESISTANCE TOLERANCE.

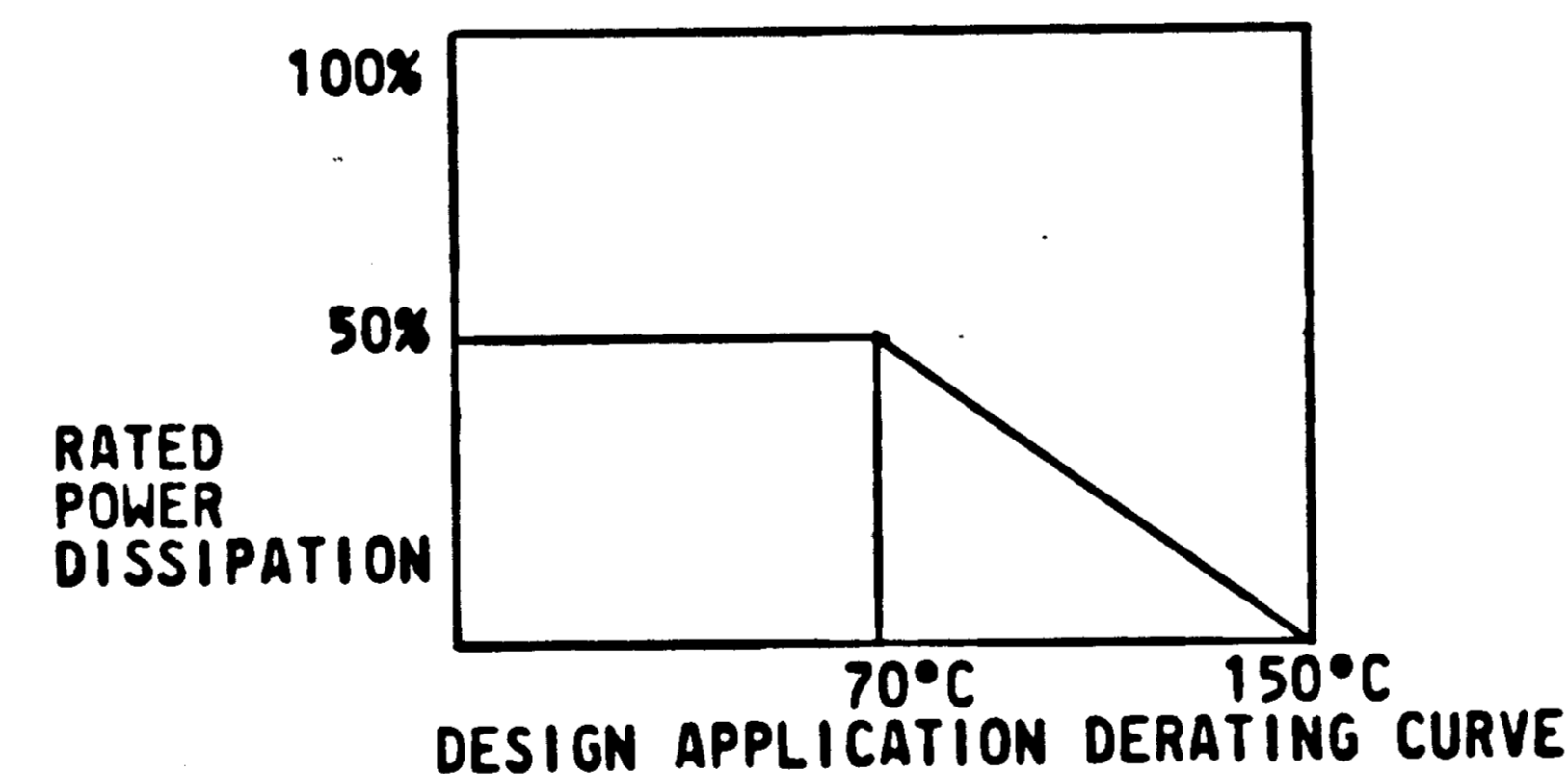
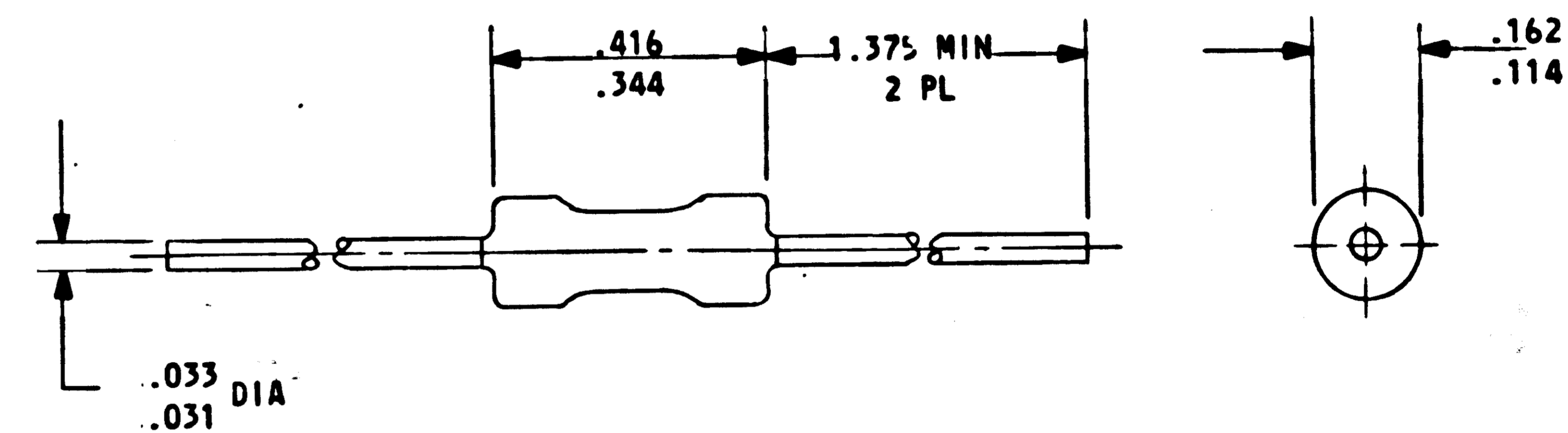
BASIC RESISTANCE VALUE OHMS	MULTIPLIER				
	1	10	10 ²	10 ³	10 ⁴
	DASH NUMBER				
10		8	32	56	80
11		9	33	57	81
12		10	34	58	82
13		11	35	59	83
15		12	36	60	84
16		13	37	61	85
18		14	38	62	86
20		15	39	63	87
22		16	40	64	88
24		17	41	65	89
27		18	42	66	90
30		19	43	67	91
33		20	44	68	92
36		21	45	69	93
39		22	46	70	94
43		23	47	71	95
47		24	48	72	96
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	

PURCHASE TO QUALIFICATION STATUS LIST
ND1002034

C. ADDITIONS:

- (1) THE SUPPLIER SHALL CONFORM TO THE QUALITY ASSURANCE PROVISIONS CONTAINED IN NASA DOCUMENT ND1015404 CLASS I.
- (2) BURN IN: 24 HOURS AT 150% OF RATED LOAD AT ROOM AMBIENT TEMPERATURE. THE FOLLOWING PARTS SHALL NOT BE SHIPPED:
 - A) ANY PART WHICH CHANGES MORE THAN THE MEAN CHANGE ± 2 SIGMA.
 - B) ANY PART WHICH CHANGES MORE THAN 0.75%.
 - C) ANY PART WHICH IS BEYOND PURCHASE TOLERANCE AT THE CONCLUSION OF THE TEST.

D. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.



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	
NEXT ASSY	USED ON
APPLICATION	
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	RESISTORS, FIXED METAL FILM 1/2 WATT SPECIFICATION CONTROL DRAWING	
DRAWN <i>Macdonald</i>	DATE 1-17-63	CODE IDENT NO. SIZE	
CHECKED <i>W. J. Davis</i>	DATE 1-18-63	C 1006760	
APPROVAL <i>W. J. Davis</i>	DATE 1-18-63	NASA DRAWING NO.	
APPROVAL		SCALE 4/1 WT	
NASA APPROVAL <i>W. J. Davis</i>	DATE 1-23-63	SHEET 1 OF 1	
MIT APPROVAL <i>W. J. Davis</i>	DATE 1-23-63		