

NOTES:

1. GENERAL REQUIREMENTS:

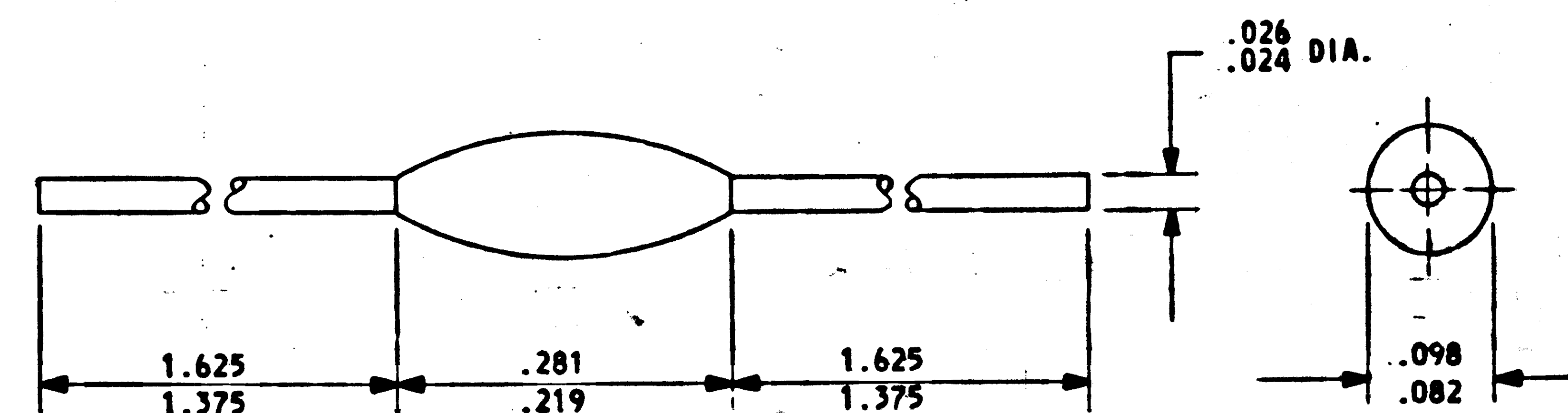
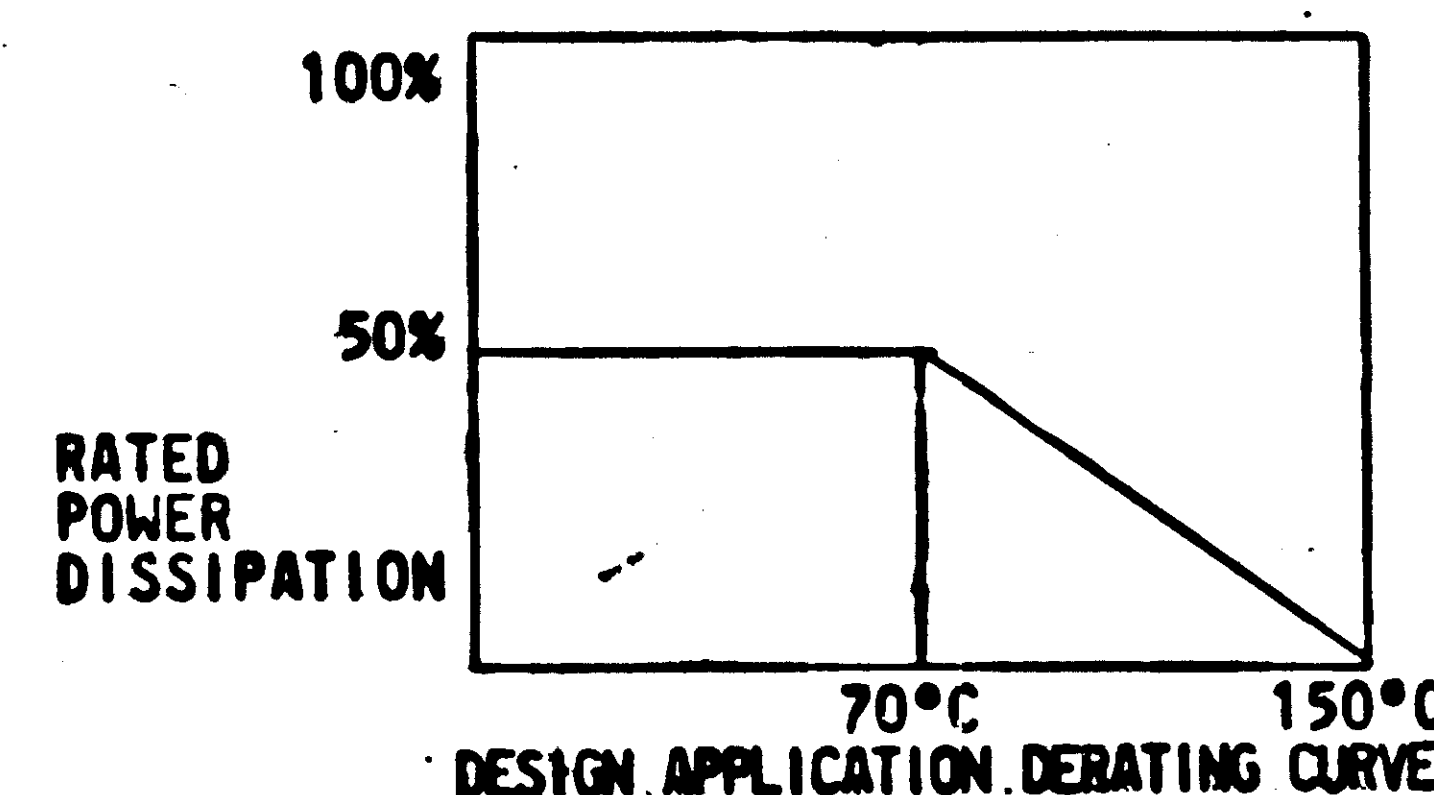
- GENERAL REQUIREMENTS:
- A. UNITS SHALL MEET THE APPLICABLE REQUIREMENTS OF MIL-R-22684 FOR TYPE RL Q7 WITH THE EXCEPTIONS AND ADDITIONS SPECIFIED HEREIN.
- B. EXCEPTIONS:
- (1) UNITS SHALL HAVE WELDABLE GOLD COATED DUMET LEADS PER NASA DOCUMENT PS 1015401. A CERTIFICATE OF COMPLIANCE OF LEAD MATERIAL AND FINISH SHALL ACCOMPANY EACH LOT SHIPPED.
 - (2) INITIAL RESISTANCE SHALL BE PLUS OR MINUS 2% OF THE SPECIFIED VALUE.
 - (3) TEMPERATURE COEFFICIENT:
± 200P.P.M/°C MAX FROM -55°C TO 150°C.
 - (4) UNITS SHALL BE CAPABLE OF MEETING AN END OF LIFE TOLERANCE OF ± 5% OF NOMINAL VALUE SPECIFIED AFTER 5000 HOURS WHEN ENERGIZED AS SHOWN IN DESIGN APPLICATION DERATING CURVE BELOW.
 - (5) MARKING: UNIT SHALL BE PERMANENTLY AND LEGIBLY MARKED PER MIL-STD-130 WITH THE MANUFACTURER'S SYMBOL, TYPE DESIGNATION, NUMERICAL RESISTANCE, VALUE AND TOLERANCE, LETTER G INDICATING ± 2% RESISTANCE TOLERANCE, AND THE MANUFACTURER'S FOUR-DIGIT MANUFACTURING LOT NUMBER.

C. ADDITIONS:

- (1) THE SUPPLIER SHALL CONFORM TO THE QUALITY ASSURANCE PROVISIONS CONTAINED IN NASA DOCUMENT MD1015404 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.

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	
18		14	38	62	
20		15	39	63	
22		16	40	64	
24		17	41	65	
27		18	42	66	
30		19	43	67	
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	



PURCHASE TO QUALIFICATION STATUS LIST
ND1002034

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	_____
FINAL FINISH	_____

QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION		FIN NO
LIST OF MATERIALS				
MIT INSTRUMENTATION LAB CAMBRIDGE, MASS.		MANNED SPACECRAFT CENTER HOUSTON, TEXAS		
DWS. NO. _____ CONTRACT _____				
DRAWN <u>M. Johnson</u> DATE <u>1-17-63</u>		RESISTOR, FIXED FILM INSULATED 1/4 WATT SPECIFICATION CONTROL DRAWING		
CHECKED <u>James R. Rice</u> <u>17 Jan 63</u>				
APPROVAL <u>James R. Rice</u> <u>1-18/63</u>				
APPROVAL _____				
NASA APPROVAL <u>W. J. R. Rice</u> <u>1-23-63</u>		CODE IDENT NO. <u>1</u>	SIZE C	NASA DRAWING NO. 1006750
MIT APPROVAL <u>W. J. R. Rice</u> <u>1-24-63</u>		SCALE <u>1" = 1"</u>	WT _____	SHEET _____ OF _____

