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0929001

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A	REVISED & REDRAWN PER TDRR 00288 UPGRADED TO CLASS A RELEASE	1/18/63	
B	REVISED PER TDRR 00435	2-20-63	WR
C	REVISED PER TDRR 00733	4/3/63	WR

NOTES:

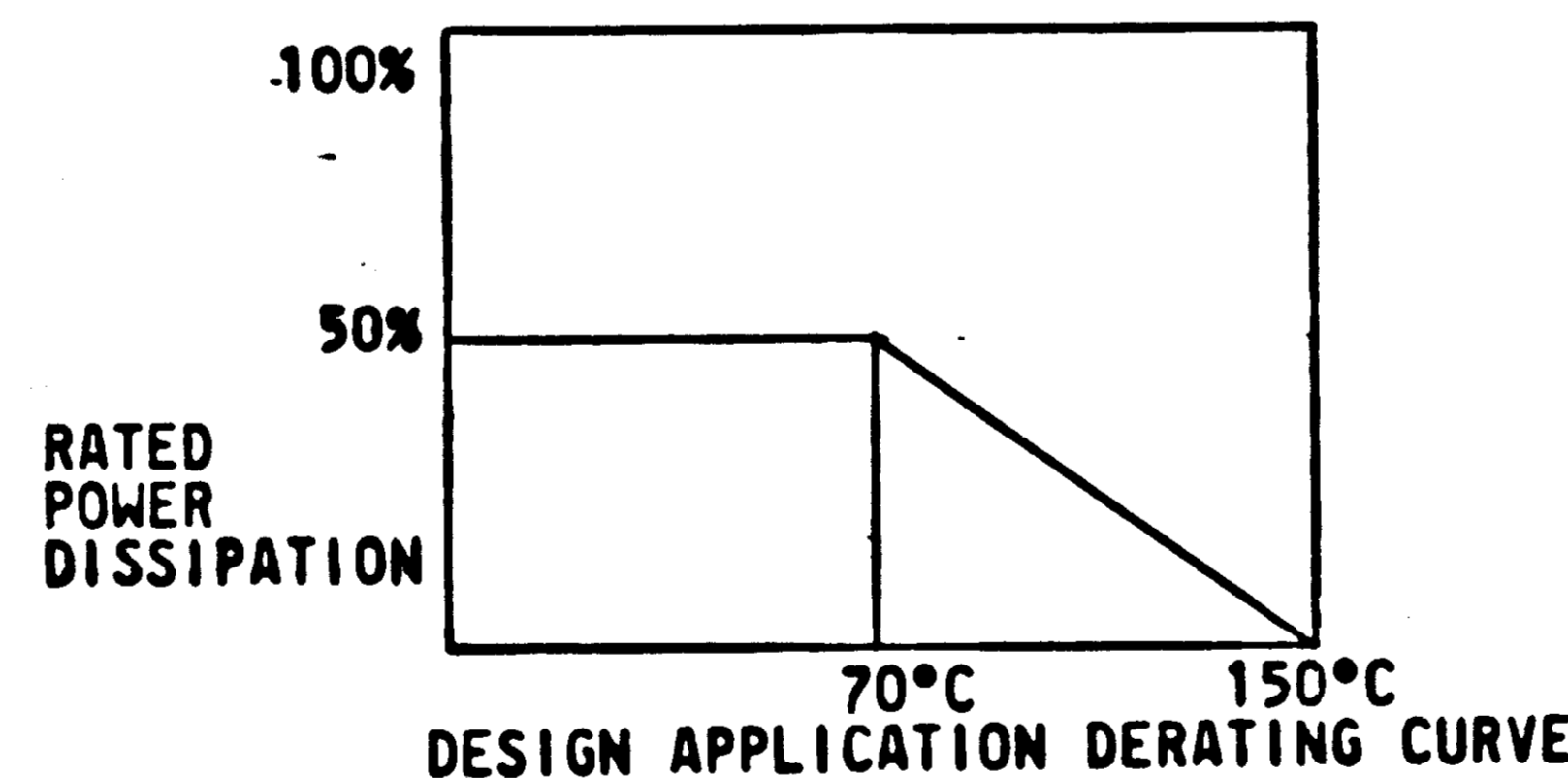
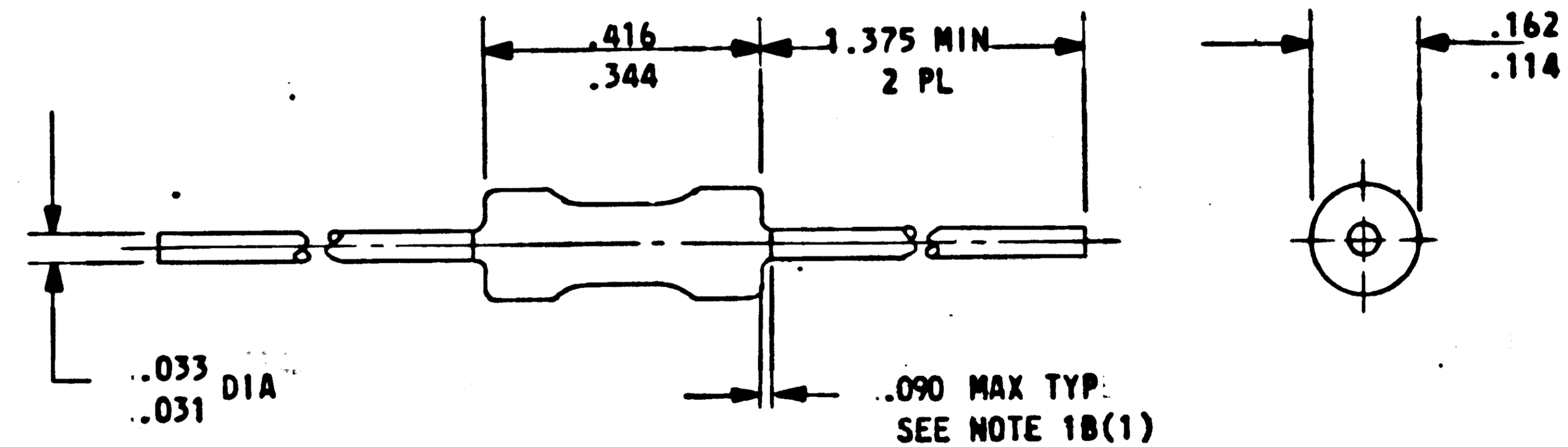
1. GENERAL REQUIREMENTS:

- 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. ENCAPSULATING MATERIAL MAY COVER LEADS ONLY TO EXTENT SHOWN.
  - (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: 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.

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.

BASIC RESISTANCE VALUE OHMS	MULTIPLIER				
	1	10	10 <sup>2</sup>	10 <sup>3</sup>	10 <sup>4</sup>
	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	



MASTER

PURCHASE TO QUALIFICATION STATUS LIST  
ND1002034

MASTER

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>W. J. R. Davis</i> DATE 1-17-63		RESISTORS, FIXED METAL FILM 1/2 WATT SPECIFICATION CONTROL DRAWING	
CHECKED <i>W. J. R. Davis</i> DATE 1-17-63			
APPROVAL <i>W. J. R. Davis</i> DATE 1-18-63		CODE IDENT NO.	NASA DRAWING NO.
HEAT TREATMENT NONE		SIZE C	1006760
FINAL FINISH NONE		SCALE 4/1	WT SHEET   OF
NEXT ASSY	USED ON	MIT APPROVAL <i>W. J. R. Davis</i> DATE 1-23-63	
APPLICATION			

