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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. 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:  
± 200 P.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: RESISTOR SHALL BE LEGIBLY AND PERMANENTLY COLOR CODED IN ACCORDANCE WITH MIL-STD-221. TWO PERCENT RESISTANCE TOLERANCE SHALL BE MARKED WITH A RED COLOR BAND. PACKAGE SHALL BE LEGIBLY MARKED PER MIL-STD-129 WITH MANUFACTURER'S NAME AND/OR SYMBOL, LOT CODE NASA DRAWING NUMBER AND REVISION LETTER.

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	

PURCHASE TO QUALIFICATION STATUS LIST  
ND1002034

MASTER

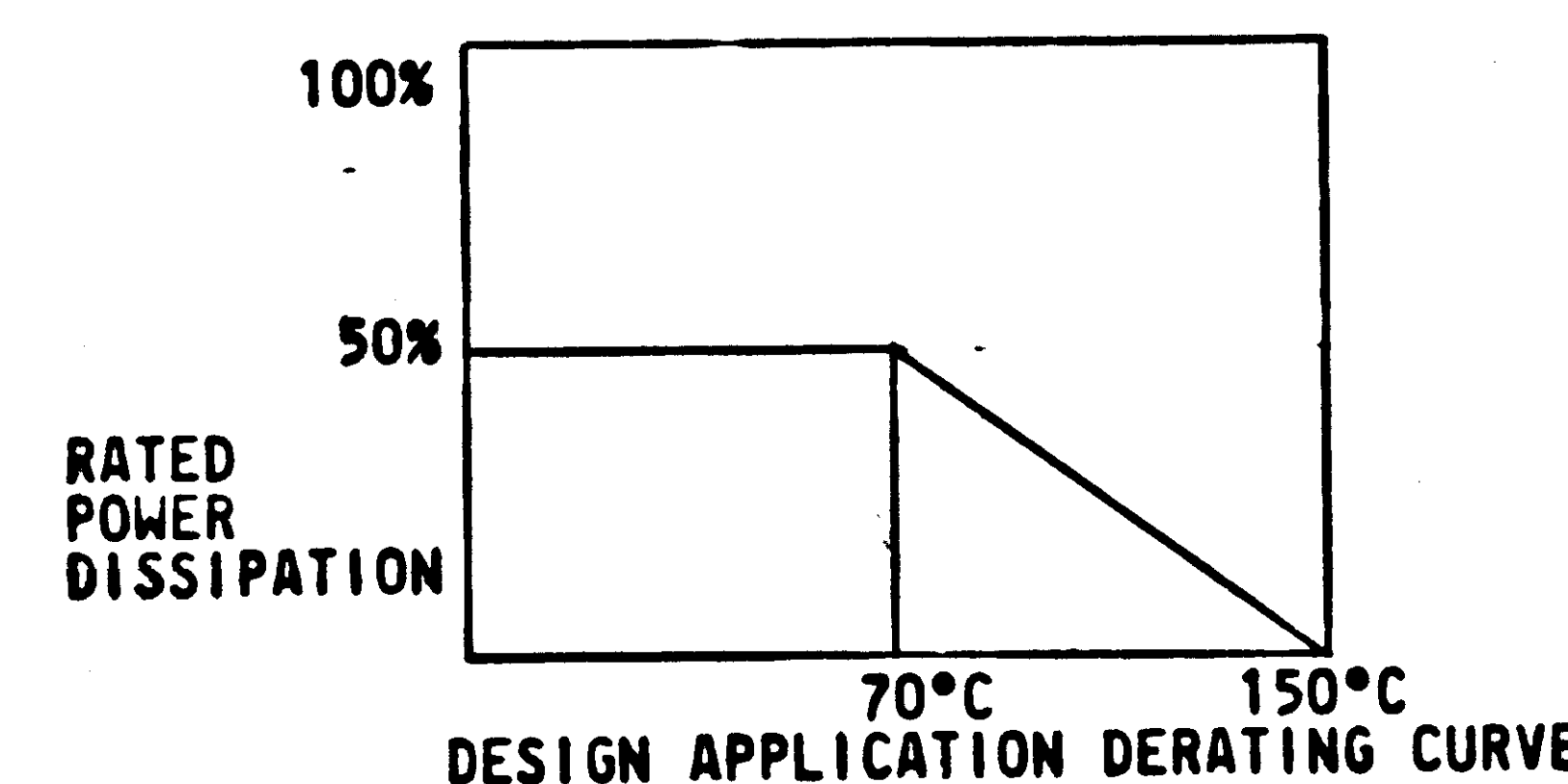
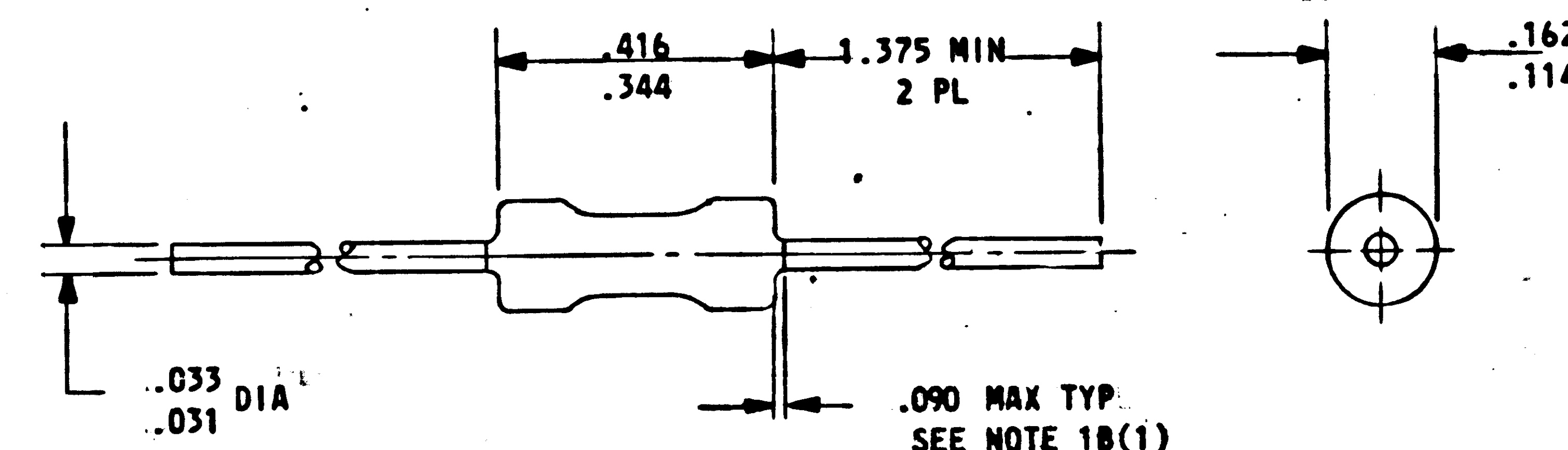
C. ADDITIONS:

- (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.

0929001

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A	REVISED & REDRAWN PER TDRR 00280 UPGRADED TO CLASS A RELEASE	1/18/63	
B	REVISED PER TDRR 00435	2-20-63	WK
C	REVISED PER TDRR 00733	4/3/63	WK
D	CHANGE PER TDRR 02593	8/14/63	WK



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

INCHES  
0 1 2  
PHOTOGRAPHIC SCALE ONLY