

NOTICE - 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 THEREBY INCURS NO RESPONSIBILITY FOR 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 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.

NOTES:

1. GENERAL REQUIREMENTS:

A. UNITS SHALL MEET THE APPLICABLE REQUIREMENTS OF MIL-R-22684 FOR TYPE RL 07 WITH THE EXCEPTIONS AND ADDITIONS SPECIFIED HEREIN.

B. EXCEPTIONS:

(1) UNITS SHALL HAVE WELDABLE NICKEL LEADS PER PS 1015400. LEADS SHALL

ALSO BE GOLD PLATED PER PS 1015400 UNLESS OTHERWISE SPECIFIED. A CERTIFICATE OF COMPLIANCE OF LEAD MATERIAL AND FINISH SHALL ACCOMPANY

EACH LOT SHIPPED. INITIAL RESISTANCE SHALL BE PLUS OR MINUS 2% OF THE SPECIFIED VALUE.

(2) TEMPERATURE COEFFICIENT: ± 200 P.P.M./ $^{\circ}$ C MAX FROM -55° C TO 150° C.

(3) 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.

(4) MARKING: UNIT SHALL BE PERMANENTLY AND LEGIBLY MARKED PER ND1002019 WITH THE MANUFACTURER'S SYMBOL, TYPE DESIGNATION, NUMERICAL RESISTANCE, VALUE AND TOLERANCE, LETTER G INDICATING $\pm 2\%$ 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 ND1015404 CLASS 1.
- (2) BURN IN: 24 HOURS AT 150% OF RATED LOAD AT ROOM AMBIENT TEMPERATURE. THE FOLLOWING PARTS SHALL NOT BE SHIPPED:

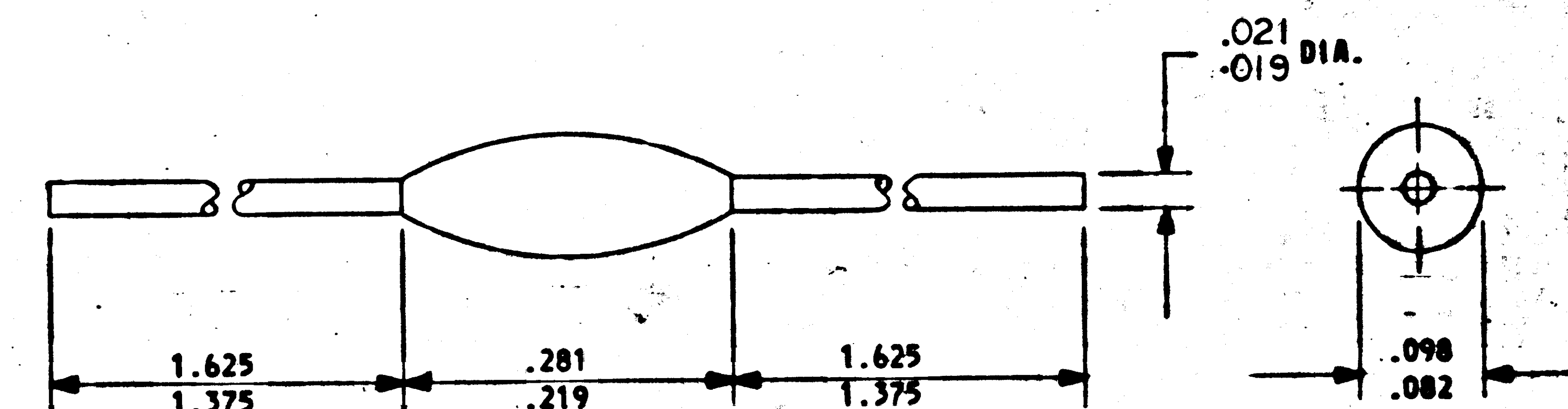
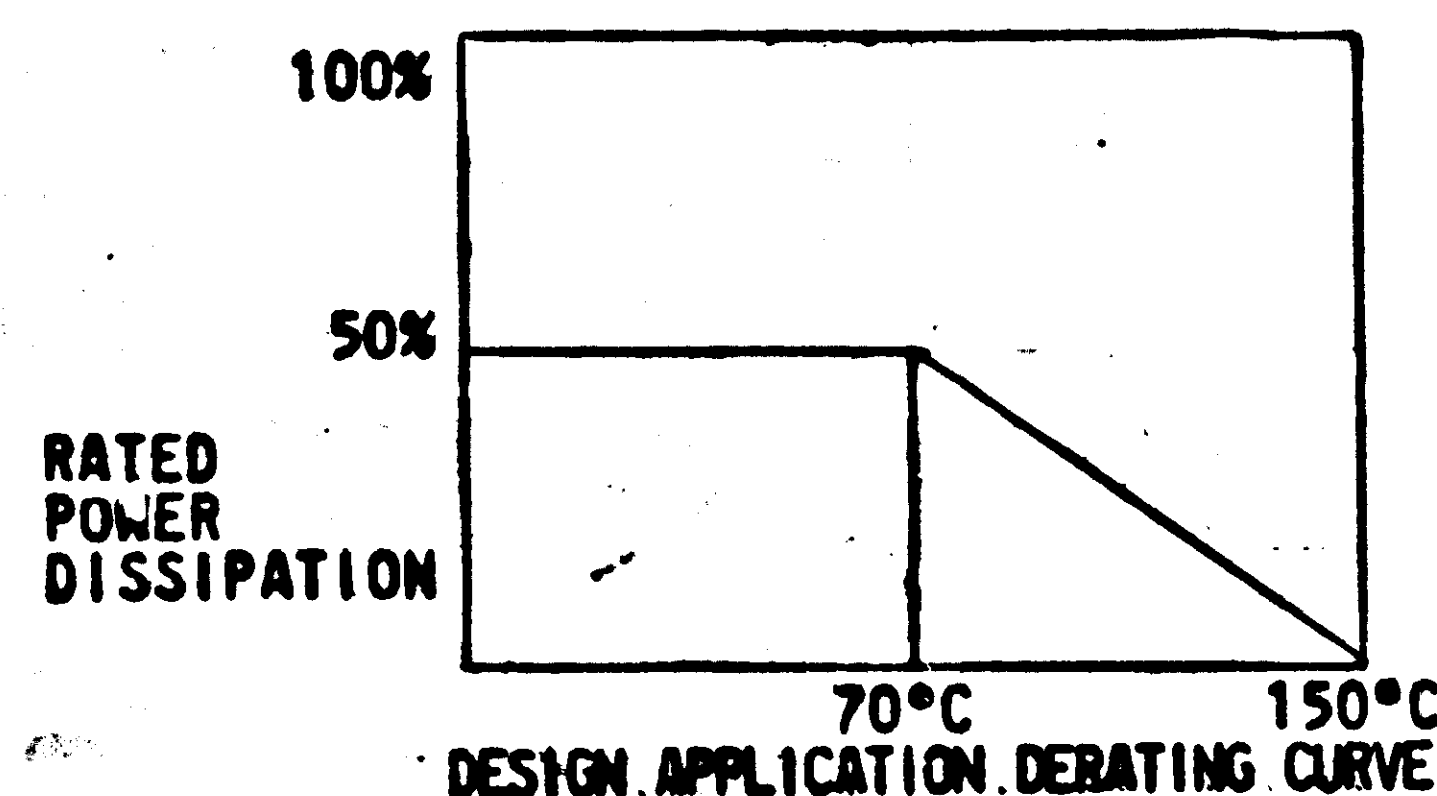
- A) ANY PART WHICH CHANGES MORE THAN THE MEAN CHANGE ± 2 SIGMA.
- B) ANY PART WHICH CHANGES MORE THAN 0.75%.
- C) ANY PART WHICH IS BEYOND PURCHASE TOLERANCE AT THE CONCLUSION OF THE TEST.

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

9 0929001

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A	REVISED & REDRAWN PER TDRR 00187	1/7/63	
B	UPGRADED TO CLASS A RELEASE		
B	REVISED PER TDRR 00401	2-7-63	WHL
C	CHANGE PER TDRR 02593	8/14/63	WHL
D	REVISED PER TDRR 04179	10/20/63	WHL
E	REVISED PER TDRR 06008		WHL
F	REVISED PER TDRR 06248	2-18-64	WHL
G	REVISED PER TDRR 07026	3/17/64	WHL

RESISTANCE VALUE	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
10																			
15																			
20																			
25																			
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70																			
75																			
80																			
85																			
90																			
95																			
100																			



G	E
F	E
E	E
SHEET 1	SHEET 2
REVISION STATUS OF SHEETS	

NOTES

PURCHASE TO QUALIFICATION STATUS LIST
ND1002034

		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
NEXT ASSY	USED ON	
APPLICATION		

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>Mahoney</i> DATE 1-17-63		RESISTOR, FIXED FILM INSULATED 1/4 WATT	
CHECKED <i>WHL</i> DATE 1-18-63		SPECIFICATION CONTROL DRAWING	
APPROVAL <i>WHL</i> DATE 1-18-63			
NASA APPROVAL <i>WHL</i> DATE 1-23-63		CODE IDENT NO.	NASA DRAWING NO.
MIT APPROVAL <i>WHL</i> DATE 1-23-63		SIZE C	1006750
		SCALE	WT
		SHEET 1 OF 2	

