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REQUIREMENTS:

GENERAL:

UNITS SHALL BE CAPABLE OF MEETING THE REQUIREMENTS OF SPECIFICATION MIL-R-26 FOR INSULATED TYPE; EXCEPT AS SPECIFIED HEREIN.

UNITS SHALL BE CAPABLE OF MEETING THE QUALIFICATION REQUIREMENTS SPECIFIED IN ND 1002057 UNLESS MODIFIED OR AMENDED BY THE DESIGN REQUIREMENTS SECTION OF THIS DRAWING.

SUPPLIER SHALL CONFORM TO THE QUALITY ASSURANCE PROVISIONS SPECIFIED IN ND 1015404, CLASS 2.

INTERPRET DRAWING SYMBOLS, ABBREVIATIONS AND REFERENCE DESIGNATIONS IN ACCORDANCE WITH GOVERNMENT STANDARDS PRESCRIBED IN MIL-D-70327.

PACKAGING: UNITS SHALL BE PACKAGED IN ACCORDANCE WITH ND 1002129.

INSPECTION AND ACCEPTANCE

ELECTRICAL REQUIREMENTS:

RESISTANCE VALUE: PER TABLE

RESISTANCE TOLERANCE: $\pm 1\%$

MECHANICAL REQUIREMENTS:

LEADS: IRON NICKEL ALLOY COPPER CLAD GOLD PLATED PER NASA SPECIFICATION PS 1015401. A CERTIFICATE OF COMPLIANCE OF LEAD MATERIAL SHALL ACCOMPANY EACH LOT SHIPPED.

MARKING: MARK UNITS PER MIL-STD-130 WITH MANUFACTURER'S NAME AND/OR SYMBOL, NASA PART NUMBER, AND REVISION LETTER, DATE CODE

MANUFACTURER'S PART NUMBER MAY APPEAR ON THE PART OR PACKAGE. MARKING OF UNIT PACKAGES AND EXTERIOR SHIPPING CONTAINERS SHALL INCLUDE NASA PART NUMBER AND REVISION LETTER.

DESIGN REQUIREMENTS:

PER MIL-R-26 EXCEPT AS MODIFIED BY THIS DRAWING.

POWER RATING: 1 WATT AT +25°C, DERATED PER CHART.

TEMPERATURE COEFFICIENT: ± 30 PPM/°C UP TO +275°C.

EACH LEAD SHALL BE CAPABLE OF WITHSTANDING TWO (2) BENDS UNDER A TWO (2) POUND VERTICAL PULL (LEADS VERTICAL WITH RESPECT TO UNIT BODY). TWO (2) BENDS SHALL BE ACCOMPLISHED BY MOVING THE BODY OF THE UNIT, WHILE IN THE SAME PLANE, THROUGH 90° IN ONE DIRECTION, THEN BACK 180° TO THE OPPOSITE DIRECTION, THEN BACK 90° TO THE ORIGINAL POSITION. NO MECHANICAL DAMAGE OR LACK OF PERFORMANCE SHALL BE EVIDENCED AFTER THE TEST.

MECHANICAL STRENGTH: PER MIL-R-26 EXCEPT 5 LB. MAX LOAD

SPECIAL CONDITIONING BY SUPPLIER:

BURN-IN: UNITS SHALL BE BURNED-IN FOR 100 HRS AT 25°C AND RATED WATTAGE 1-1/2 HRS ON, 1/2 HR OFF, UNITS THAT EXCEED THE INITIAL TOLERANCE OR CHANGE MORE THAN .5% SHALL BE REJECTED.

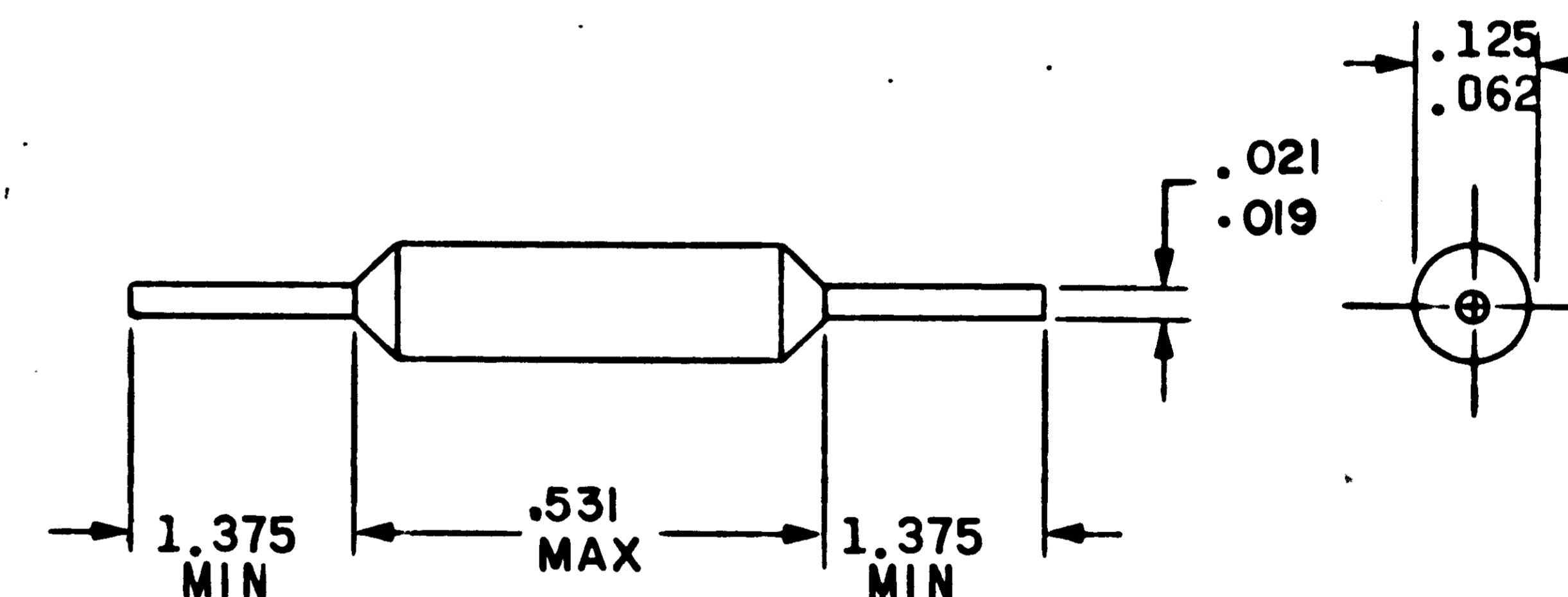
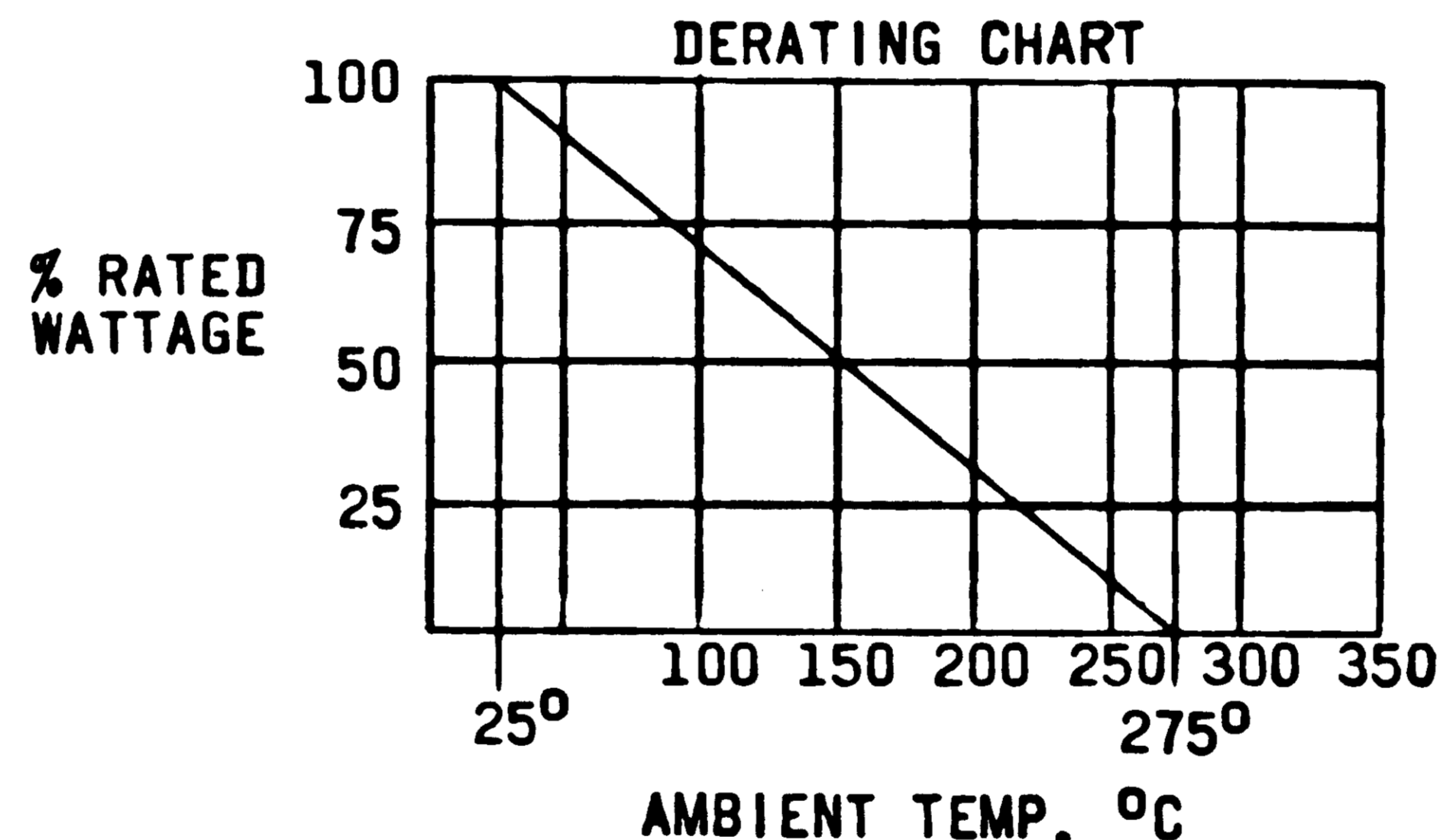
PROCURE ONLY FROM APPROVED SOURCES LISTED IN ND 1002034 FOR THIS DRAWING.

NASA PART NUMBER	RESISTANCE OHMS NOMINAL
1	600
2	610
3	620
4	630
5	640
6	650
7	660
8	670
9	680
10	690
11	700
12	710
13	720
14	730
15	740
16	750
17	760
18	770
19	780
20	790
21	800
22	1000

1010604

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
-	INITIAL RELEASE CLASS A PER TDRR 02599	8/14/63	WK

THE COMPLETE PART NUMBER IS THIS DRAWING NUMBER PLUS THE APPLICABLE DASH NUMBER.



QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	FIND NO.
		LIST OF MATERIALS	
		MANNED SPACECRAFT CENTER HOUSTON, TEXAS	
		RESISTOR, FIXED, WIREWOUND 1 WATT SPECIFICATION CONTROL DRAWING	
		MIT INSTRUMENTATION LAB CAMBRIDGE MASS NAS CONTRACT 9-497	
		DWG NO. DATE 29 JUL 63 DRAWN BY J. Deane CHECKED BY [Signature] 27 JULY 63 APPROVAL BY [Signature] 8/13/63	
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES	
		DO NOT SCALE THIS DRAWING	
		MATERIAL SEE NOTES	
		HEAT TREATMENT NONE	
		FINAL FINISH NONE	
		NASA APPROVAL [Signature] 8-14-63	
		MIT APPROVAL [Signature] 8/14/63	
		CODE IDENT NO. SIZE C	
		NASA DRAWING NO. 1010604	
		SCALE NONE WT	
		SHEET 1 OF 1	

