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REQUIREMENTS:

1. GENERAL:

- A. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED IN MIL-D-70327.
- B. UNITS SHALL MEET THE REQUIREMENTS OF MIL-C-11272, OPERATING TEMPERATURE C, TOLERANCE G, EXCEPT AS AND IN ADDITION TO THE REQUIREMENTS SPECIFIED HEREIN.
- C. SUPPLIERS SHALL CONFORM TO THE QUALITY ASSURANCE PROVISIONS AS CONTAINED IN MD 1015404, CLASS 2.
- D. UNITS SHALL MEET THE QUALIFICATION REQUIREMENTS OF MD 1002045.
- E. MARKING: UNITS SHALL BE MARKED IN ACCORDANCE WITH MIL-STD-130, WITH THE NASA DRAWING NUMBER, REVISION LETTER, DASH NUMBER, CAPACITANCE VALUE, CAPACITANCE TOLERANCE

PACKAGING SHALL BE MARKED IN ACCORDANCE WITH MIL-STD-129 WITH THE MANUFACTURER'S NAME, LOT OR SERIAL NUMBER, DATE OF MANUFACTURE OR CODING, NASA DRAWING NUMBER AND REVISION LETTER.

2. ACCEPTANCE AND INSPECTION:

LEAD MATERIAL SHALL BE GOLD-PLATED DUMET PER THE FOLLOWING REQUIREMENTS:

(1) COVE COMPOSITION:

Ni - 45.25% TO 46.75%

C - 0.10% MAX.

Mn - 0.35% - 1.25%

Si - 0.30% MAX.

S - 0.020% MAX.

P - 0.020% MAX.

RESIDUALS - 1.50 MAX.

Fe - BALANCE

(2) CLADDING:

99.92% COPPER, OXYGEN FREE

18.25% BY WEIGHT

(3) PLATING:

ELECTROPLATED 24 KARAT GOLD,
50 MICROINCHES MINIMUM

B. CAPACITANCE, WORKING VOLTAGE AND TOLERANCE: PER TABLE II.

C. DIMENSIONS: PER TABLE I & SKETCH

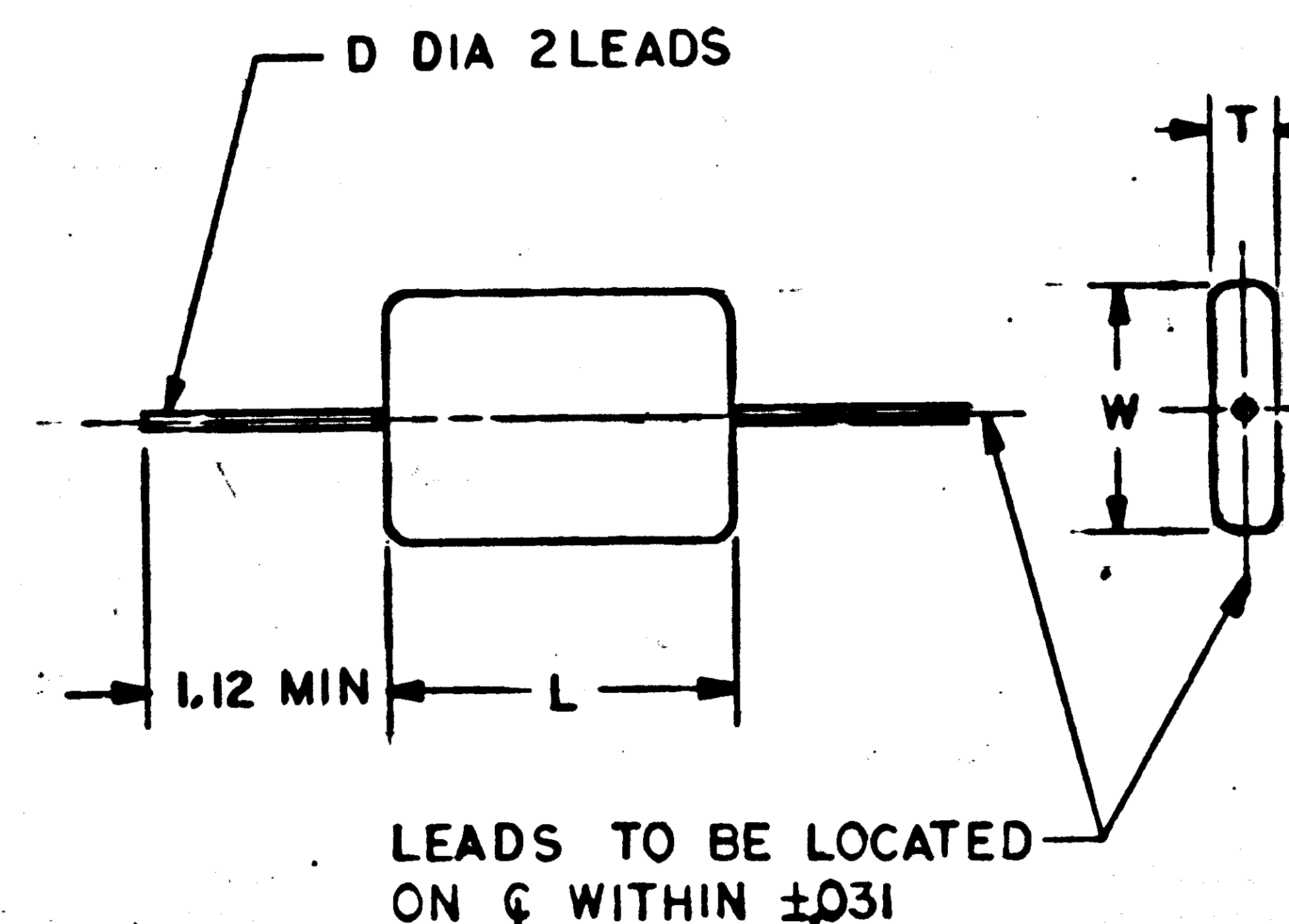
3. SPECIAL CONDITIONING (BY SUPPLIER):

- A. BURN-IN: UNITS SHALL BE SUBJECTED TO 1500 VDC FOR 50 HOURS AT 25°C ± 3°C. AFTER THIS CONDITIONING, ALL UNITS SHALL BE WITHIN TOLERANCE WHEN MEASURED FOR CAPACITANCE, SHALL HAVE A DISSIPATION FACTOR LESS THAN 0.001, AND SHALL HAVE INSULATION RESISTANCE GREATER THAN 1 X 10¹¹ OHMS.

TABLE I

SIZE	L	W	T	D DIA.
A	.796	.467	.186	.026
	.672	.375	.094	.024
B	.828	.828	.186	.026
	.705	.672	.094	.024
C	.391	.203	.109	.021
	.297	.141	.047	.019
D	.516	.297	.156	.021
	.422	.234	.063	.019

E	C
D	C
C	C
SHEET 1	SHEET 2
REVISION STATUS OF SHEETS	



ⓑ REPLACES REV A WITH CHANGES

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

MASTER

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES ± ± ±
		DO NOT SCALE THIS DRAWING
		MATERIAL
		SEE NOTES
		HEAT TREATMENT
		FINAL FINISH
NEXT ASSY	USED ON	
APPLICATION		

QTY REQ	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	FIND NO.
LIST OF MATERIALS			
MIT INSTRUMENTATION LAB CAMBRIDGE, MASS.		MANNED SPACECRAFT CENTER HOUSTON, TEXAS	
DRAWN <i>H. Bunker</i> 1/2/63 DATE <i>2/11/63</i> CHECKED <i>H. Bunker</i> 1/3/63 APPROVAL <i>H. Bunker</i> 6/12/63 APPROVAL <i>E. C. Hall</i> 11/11/63		CAPACITOR, FIXED, GLASS DIELECTRIC SPECIFICATION CONTROL DRAWING	
NASA APPROVAL <i>H. Bunker</i> 4/1/63 MIT APPROVAL <i>H. Bunker</i> 6/12/63	CODE IDENT NO.	SIZE C	NASA DRAWING NO. 1006793
SCALE NONE	WT	SHEET 1 OF 2	

