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REQUIREMENTS:

1. GENERAL:

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

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:

A. 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

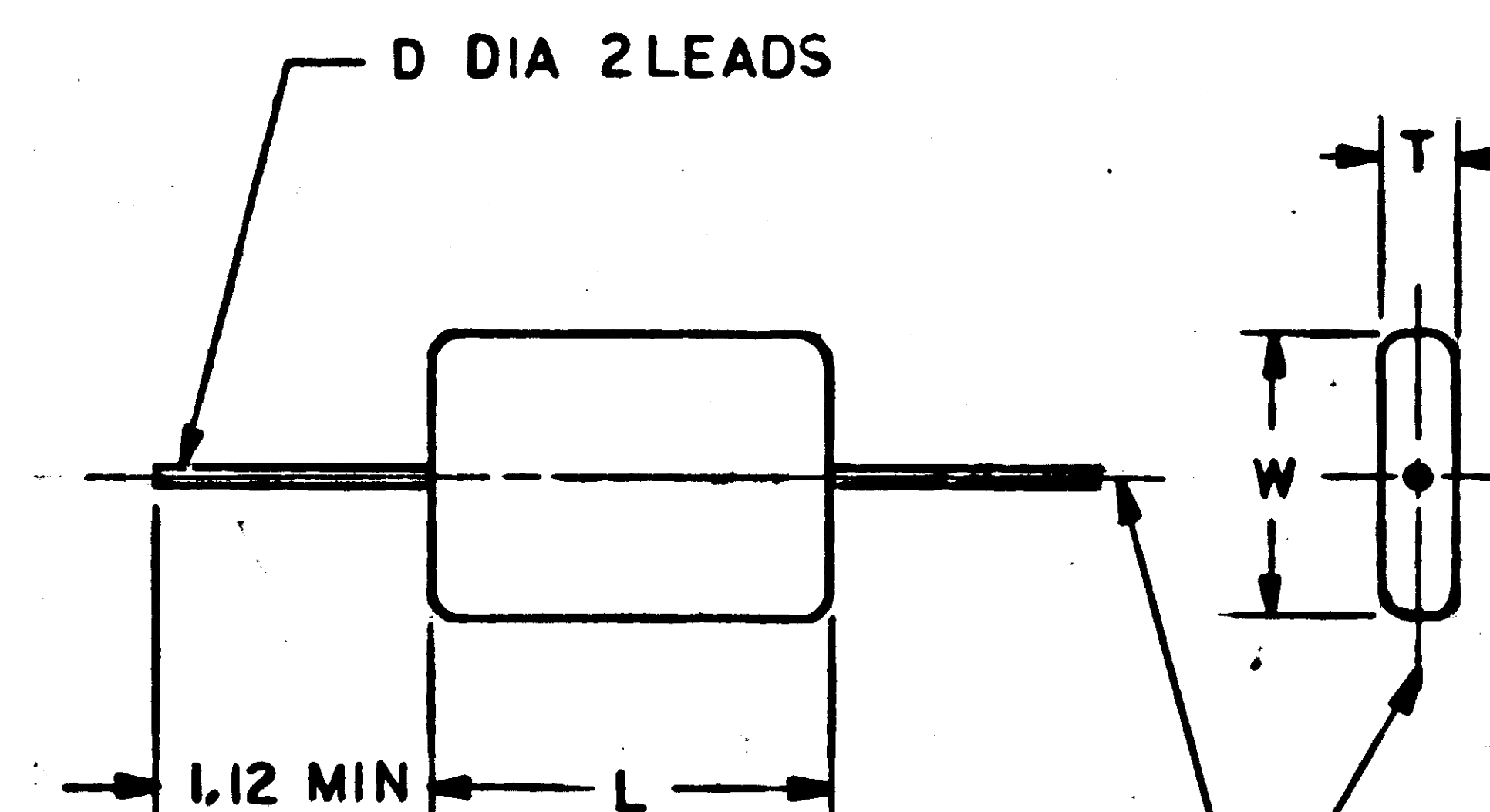
3. SPECIAL CONDITIONING (BY SUPPLIER):

- BURN-IN: UNITS SHALL BE SUBJECTED TO 1500 VDC FOR 50 HOURS AT $25^{\circ}\text{C} \pm 3^{\circ}\text{C}$. 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 1×10^{11} OHMS.

TABLE I

SIZE	L	W	T	D DIA.
A	.796 .672	.467 .375	.186 .094	.026 .024
B	.828 .703	.828 .672	.186 .094	.026 .024
C	.391 .297	.203 .141	.109 .047	.021 .019
D	.516 .422	.297 .234	.156 .063	.021 .019

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



LEADS TO BE LOCATED
ON C WITHIN ± 0.031

ⓑ REPLACES REV A WITH CHANGES

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

POSTER

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>[Signature]</i> DATE 12/11/63 CHECKED <i>[Signature]</i> 12/11/63 APPROVAL <i>[Signature]</i> 6/19/63 APPROVAL <i>[Signature]</i> 12/11/63		CAPACITOR, FIXED, GLASS DIELECTRIC SPECIFICATION CONTROL DRAWING	
NASA APPROVAL <i>[Signature]</i> 4/10/64 MIT APPROVAL <i>[Signature]</i> 6/19/63		CODE IDENT NO. —	NASA DRAWING NO. 1006793
NEXT ASSY		USED ON	SCALE NONE WT
APPLICATION		SHEET 1 OF 2	

