

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 NOR ANY OBLIGATION WHATSOEVER, AND THE FACT THAT THE GOVERNMENT HAS FURNISHED OR IS IN ANY WAY SUPPLYING THE SAID DRAWINGS, SPECIFICATIONS OR OTHER DATA IS NOT TO BE REGARDED OR IMPLICATED OR OTHERWISE AS IN ANY MANNER LICENSING THE HOLDER OR ANY OTHER PERSON OR CORPORATION, OR CONFIRMING ANY RIGHTS OR PERMISSION TO MANUFACTURE, USE, OR SELL ANY PATENTED INVENTION THAT MAY IN ANY WAY BE RELATED THERETO.

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 ND 1002019. WITH THE NASA DRAWING NUMBER, DASH NUMBER, REVISION LETTER AND THE MANUFACTURER'S NAME OR SYMBOL. CAPACITANCE VALUE, TOLERANCE AND THE MANUFACTURER'S PART NUMBER MAY APPEAR ON THE PART OR PACKAGE. 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) CORE 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

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

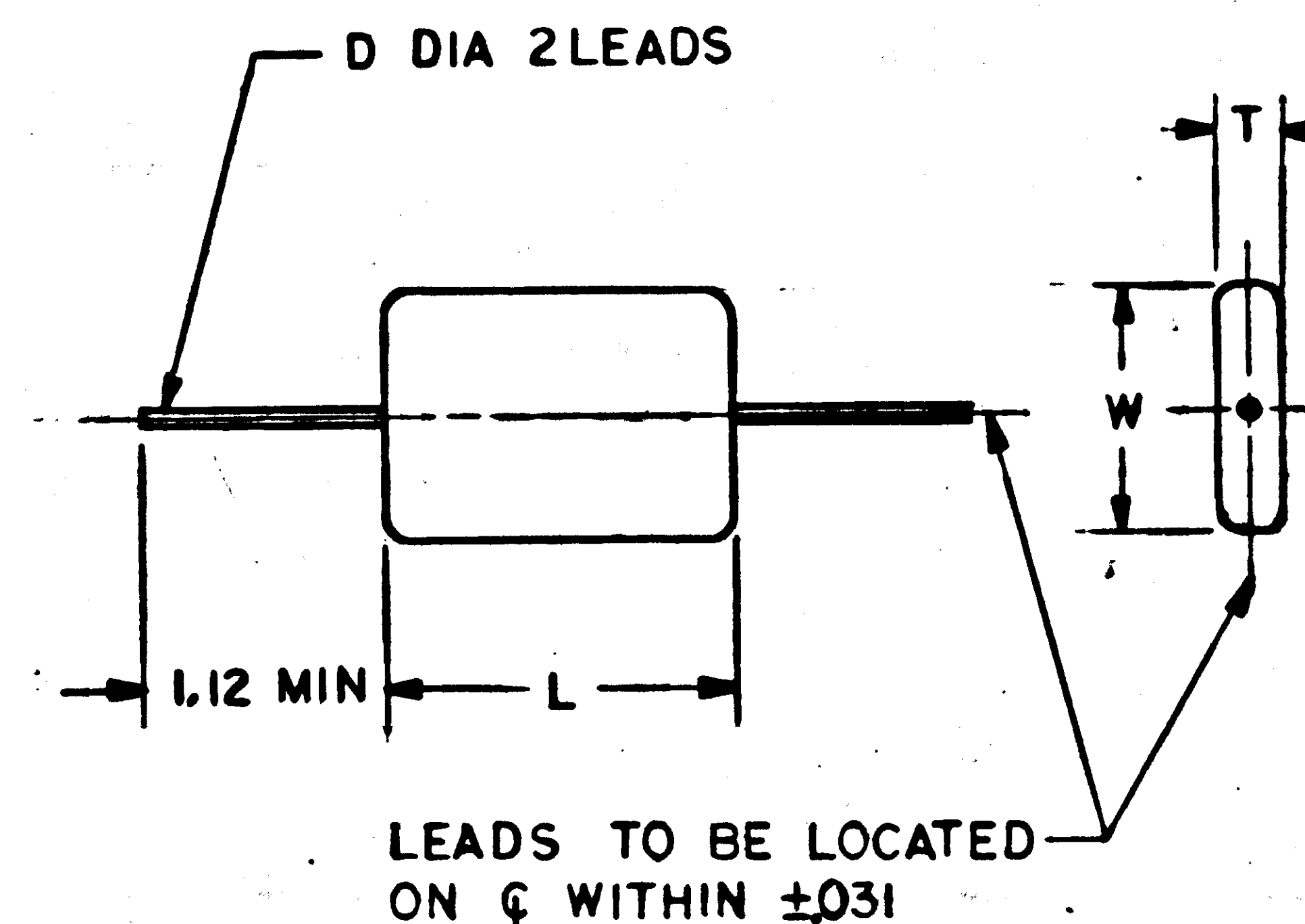
3. SPECIAL CONDITIONING (BY SUPPLIER)

- 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	.467	.186	.026
	.672	.375	.094	.024
B	.828	.828	.186	.026
	.703	.672	.094	.024
C	.391	.203	.109	.021
	.297	.141	.047	.019
D	.516	.297	.156	.021
	.422	.234	.063	.019

F	C
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 ND 1002034 FOR THIS DRAWING.

MASTER

		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
NEXT ASSY	USED ON	FINAL FINISH
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		
DWG. NO. CONTRACT				
DRAWN <i>H. R. R. / 1/70</i> DATE <i>1/10/63</i> CHECKED <i>H. R. R. / 1/70</i> DATE <i>1/10/63</i> APPROVAL <i>H. R. R. / 1/70</i> DATE <i>1/10/63</i> APPROVAL <i>Edna C Hall 15 June 63</i>		CAPACITOR, FIXED, GLASS DIELECTRIC SPECIFICATION CONTROL DRAWING		
NASA APPROVAL <i>H. R. R. / 1/70</i> DATE <i>1/10/63</i>		CODE IDENT NO.	SIZE	NASA DRAWING NO.
MIT APPROVAL <i>H. R. R. / 1/70</i> DATE <i>1/10/63</i>		—	C	1006793
		SCALE NONE	WT	SHEET 1 OF 2

