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B 1006793

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
B	REPLACES REVA WITH CHANGES AND UPGRADED TO CLASS A RELEASE PER TDRR 1635	6/19/63	ELK

REQUIREMENTS:

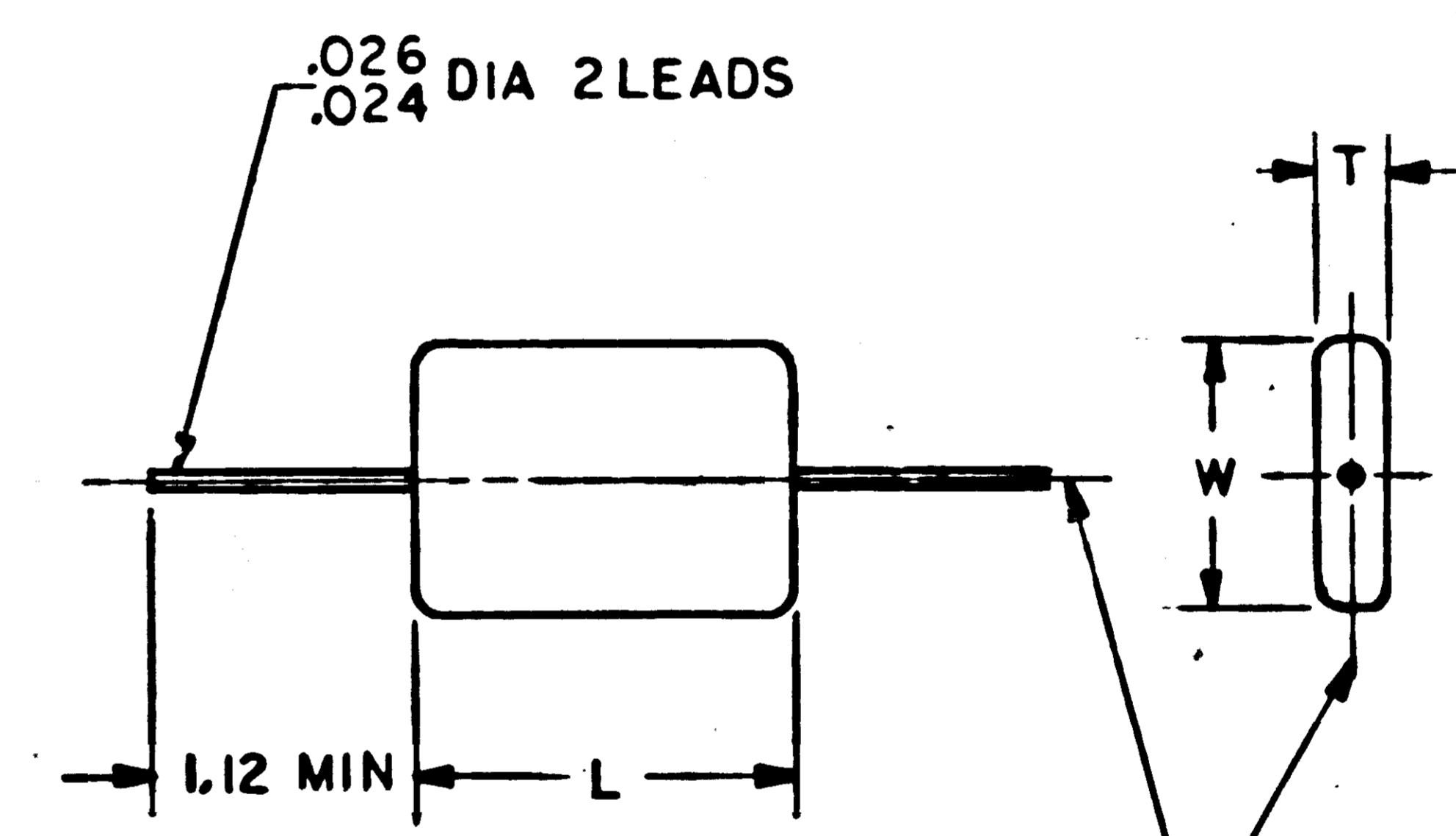
1. GENERAL:
 - A. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED IN MIL-D-70327.
 - B. UNITS SHALL MEET THE REQUIREMENTS OF MIL-C-11272, OPERATING TEMPERATURE C, TOLERANCE G, EXCEPT AS AND IN ADDITION TO THE REQUIREMENTS SPECIFIED HEREIN.
 - C. SUPPLIERS SHALL CONFORM TO THE QUALITY ASSURANCE PROVISIONS AS CONTAINED IN ND 1015404, CLASS 2.
 - D. UNITS SHALL MEET THE QUALIFICATION REQUIREMENTS OF ND 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 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. MECHANICAL PROPERTIES:
 - (1) LEAD MATERIAL SHALL BE GOLD PLATED, COPPER CLAD, IRON-NICKEL ALLOY PER ND 1015401. A CERTIFICATE OF COMPLIANCE WITH THIS REQUIREMENT SHALL ACCOMPANY EACH SHIPMENT.
 - B. CAPACITANCE, WORKING VOLTAGE AND TOLERANCE: PER TABLE I.
 - C. DIMENSIONS: PER TABLE II & 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

NASA DASH NO.	CAPACITANCE (pf) ±2%	WORKING VOLTAGE DC	SIZE
-1	560	500	A
-2	620	↑	↑
-3	680	↑	↑
-4	750	↑	↑
-5	820	↑	↑
-6	910	↑	↑
-7	1000	↑	↑
-8	1100	↑	↑
-9	1200	↑	↑
-10	1300	↑	↑
-11	1500	↑	↑
-12	1600	↑	↑
-13	1800	↑	↑
-14	2000	↑	↑
-15	2200	↑	↑
-16	2400	↓	↓
-17	2700	↓	↓
-18	3000	↓	↓
-19	3300	500	↑
-20	3600	300	↑
-21	3900	↑	↑
-22	4300	↑	↑
-23	4700	↓	↓
-24	5100	300	A
-25	3600	500	B
-26	3900	↑	↑
-27	4300	↑	↑
-28	4700	↓	↓
-29	5100	↓	↓
-30	5600	↓	↓
-31	6200	500	↑
-32	6800	300	↑
-33	7500	↓	↓
-34	8200	↑	↑
-35	9100	↓	↓
-36	10,000	300	B

TABLE II

SIZE	L	W	T
A	.796 .672	.467 .375	.186 .094
B	.828 .703	.828 .672	.186 .094



LEADS TO BE LOCATED ON ϕ WITHIN ±.031

Ⓟ REPLACES REV A WITH CHANGES

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

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>H. P. ...</i> DATE 2/20/63		CAPACITOR, FIXED, GLASS DIELECTRIC SPECIFICATION CONTROL DRAWING	
CHECKED <i>J. ...</i> 13 JUNE 63			
APPROVAL <i>E. ...</i> 6/19/63			
NASA APPROVAL <i>...</i> 4/16/63		CODE IDENT NO.	SIZE
MIT APPROVAL <i>...</i> 6/19/63			C
HEAT TREATMENT		NASA DRAWING NO.	1006793
FINAL FINISH		SCALE NONE	WT
NEXT ASSY	USED ON	SHEET 1 OF 1	
APPLICATION			

