

VISIONS SPECIFIED IN ND 1015404, CLASS 2. C. UNITS SHALL BE CAPABLE OF MEETING ALL QUALIFICATION RE-QUIREMENTS SPECIFIED IN ND 1002045 UNLESS MODIF. IED OR AMENDED BY DESIGN REQUIREMENTS SECTION OF THIS DRAWING. 3. DESIGN REQUIREMENTS: D. PACKAGING AND PACKING: FOR DASH NUMBERS 1 THRU 32 UNIT PACKAGING AND PACKING SHALL BE IN ACCORDANCE WITH ND 1002129, FOR DASH NUMBERS 33 THRU 38 UNITS SHALL BE PACKED IN SUCH A MANNER AS TO INSURE THE FOLLOWING: 1.) EACH INDIVIDUAL PART SHALL BE SEPARATED FROM ALL OTHERS AND PACKED SECURELY TO PREVENT CONTACT

2.) LEADS SHALL BE SECURED AGAINST WHIPPING OR VIBRA-

3.) BODY MOUNTING SHALL BE SUCH THAT CAPACITORS CAN BE EASILY GRIPPED BY THE BODY AND REMOVED FROM THE PACKAGE. HANDLING OF LEADS IS TO BE HELD TO A

E. UNITS SHALL MEET ALL REQUIREMENTS OF MIL-C-11015 EXCEPT AS

LEADS PER ND 1015401. A CERTIFICATE OF COMPLIANCE WITH THIS REQUIREMENT SHALL ACCOMPANY

3) MARKING: "PER ND1002019 , EACH CAPACITOR SHALL BE PER-MANENTLY AND LEGIBLY MARKED WITH THE NASA PART NUMBER AND REVISION LETTER AND SERIAL NUMBER TO INDICATE COMPLETION OF BURN-IN. CAPACITANCE, CAPACITANCE TOL-ERANCE AND VOLTAGE RATING MAY ALSO BE MARKED ON PART. EACH CONTAINER SHALL ALSO CONTAIN THE NASA DRAWING AND DASH NUMBER TOGETHER WITH THE REVISION LETTER. MANUFACTURERS PART OR TYPE NUMBER MAY APPEAR ON THE

1.) CAPACITANCE: PER TABLE | AT +25°C AND 1MC/SEC ± 100° KC/SEC FOR CAPACITANCE VALUES OF 100 UUF OR LESS AND AT 1KC/SEC ± 100 CPS FOR CAPACITANCE VALUES GREATER

2.) CAPACITANCE TOLERANCE: ± 10% AT +25°C AND 1MC/SEC ± 100 KC/SEC FOR CAPACITANCE VALUES OF 100 UUF OR LESS AND AT 1KC/SEC ± 100 CPS FOR CAPACITANCE VALUES

编,"你,我们要,我们是你。" "你,我们是你,你们你说。" "你?"你?"你?"你?你?你?你?" "你?"你?"你?"你?"你?"

B and **T**

3.) INSULATION RESISTANCE: THE PRODUCT OF MEGOHM AND MICROFARADS SHALL BE 100 MEGOHM-MICROFARADS MIN, NEED NOT EXCEED 10,000 MEGOHMS. 4.) POWER FACTOR: 0.025 MAX. MEASURED AT +25°C AND 1MC/SEC ± 100 MC/SEC FOR CAPACITANCE VALUES OF 100 UUF OR LESS AND AT 1MC/SEC ± 100 CPS FOR CAPACITANCE VALUES GREATER THAN 100 UUF. A. PER MIL-C-11015/20 IN ADDITION TO THE REQUIREMENTS SPECIFIED HEREIN. B. DC WORKING VOLTAGE: 100 VOLTS AT +85°C. DERATED TO 50 VOLTS AT +125°C. DPERATING AND STORAGE TEMPERATURE RANGE: -55°C TO +125°C WITH DERATING. ALLOWANCE SHOULD BE MADE FOR CAPACITANCE CHANGE DUE TO HIGH TEMPERATURE EXPOSURE AS INDICATED IN TABLE II. D. LEAD STRENGTH: LEADS SHALL WITHSTAND A 4 POUND

AXIAL PULL FOR ONE MINUTE. THEY SHALL ALSO WITH-STAND THE FOLLOWING TEST TWICE-WITH A 2 POUND LOAD SUSPENDED FROM THE LEAD IN A VERTICAL AXIAL POSITION, BEND THE CAPACITOR BODY IN A PLANE 90°, THEN BACK 180° TO THE OPPOSITE EXTREME, AND THEN BACK TO THE STARTING POSITION. THE LEAD SHALL BE BENT AT THE POINT OF EGRESS FROM THE CAPACITOR BODY AROUND A 1/16 INCH RADIUS. THERE SHALL BE NO PHYSICAL DAMAGE OR LOSS OF ELECTRICAL PERFORMANCE.

- E. ENVIRONMENTAL:

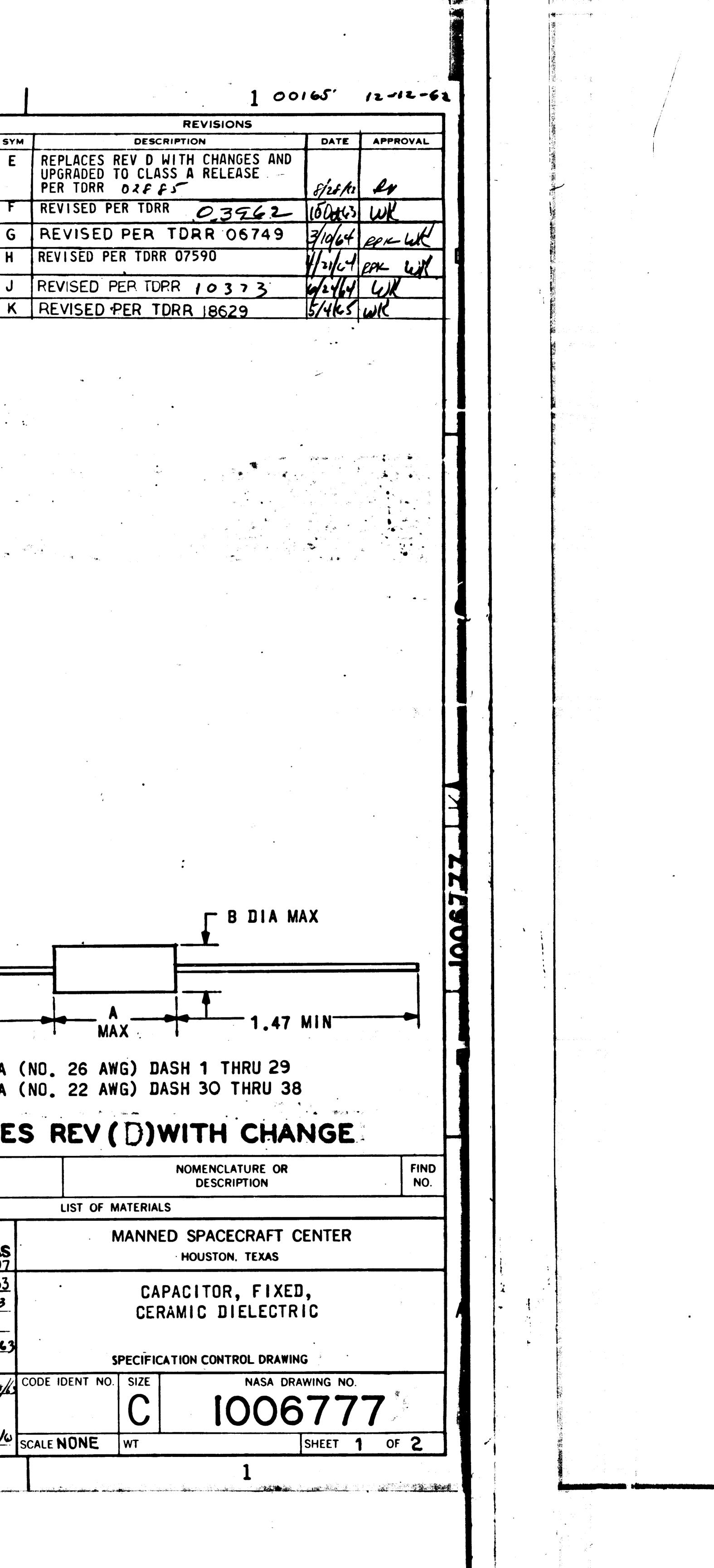
NEXT ASSY USED ON APPLICATION

LTT8001

1.) REDUCED PRESSURE: UNITS SHALL BE OPERATIVE DUR-ING AND AFTER A.D SHALL SUSTAIN NO DAMAGE AS A RESULT OF EXPOSURE TO 10-4 MM OF MERCURY FOR 96 HOURS.

2.) LIFE: MAXIMUM CAPACITANCE CHANGE DURING LIFE TEST PER ND 1002045 SHALL BE ± 10%.

		·
	1.47 MIN	A MAX
	.025 DIA	(NO. 26 AWG) 1 (NO. 22 AWG) 1
	(E) REPLACE	S REV(D)
	QTY PART OR REQD IDENTIFYING NO.	
		LIST OF MATERIA
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON	MIT INSTRUMENTATION LAB CAMBRIDGE MASS NAS DWG NO CONTRACT 9-497	MANN
FRACTIONS DECIMALS ANGLES .005 ±.02 DO NOT SCALE THIS DRAWING	DRAWN DESTEN DATE 13NG63 CHECKED WILSON 14 AUG 63	C. Ce
MATERIAL	APPROVAL Clan C Wall 28 aug 63	SPECIF
HEAT TREATMENT	NASA APPROVAL SMalach 3/20/6	CODE IDENT NO. SIZE
FINAL FINISH	MIT APPROVAL & Napel F/25/W	SCALE NONE WT
and a state of the second state of the state of the second state of the second state of the second state of the	2	



	4
	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 GOVERN-
	MENT THEREBY INCURS NO RESPONSIBILITY NOR ANY OBLIGATION WHATSOEVER AND THE FACT THAT THE GOVERNMENT MAY HAVE FORMULATED, FURNISHED, OR IN ANY WAY SUPPLIED THE SAID DRAWINGS, SPECIFICATIONS OR OTHER DATA IS NOT TO BE REGARDED BY IMPLICATION OR OTHERWISE AS IN ANY MANNER LICENSING THE HOLDER OR ANY OTHER PERSON OR CORPORATION, OR CONVEY-
	A SOFCIAL CONDITIONING BY SUPPLIERS
	A. BURN-IN: ALL UNITS SHALL BE SUBJECTED *85°C FOR A MINIMUM OF 100 HOURS AN
	D THE LAST 48 HOURS SHALL BE FRE (i.e. SHORTS OR OPENS)
	B. THE MANUFACTURER SHALL DETERMINE AND ING ELECTRICAL CHARACTERISTICS PI
	BURN-IN.
•	CAPACIT ANCE POWER FACTOR
	INSULATION RESISTANCE C. BURN-IN DATA SHALL BE INCLUDED WITH
-	DATA SHALL BE PRESENTED IN A MAN
	POSITIVE IDENTIFICATION OF EACH WITH THE INITIAL TEST READING, T
	THE PERCENT CHANGE BETWEEN THE F THE TEST DATA SUBMITTED SHALL AL
	FAIL TO MEET THE SPECIFIED REQUI BE PLOTTED TO SHOW THE FREQUENCY
	ABSOLUTE VALUE OF EACH CHARACTER
	C FREQUENCY DISTRIBUTION OF THE PE CHARACTERISTIC FROM ITS INITIAL
	TO MEET INITIAL DRAWING REQUIREM SPECIFIED LIMITS FOR PARAMETRIC
	SHALL NOT BE ACCEPTABLE.
	LIMITS: CAPACITANCE: ± 5 % OF INITIAL
	POWER FACTOR: INITIAL LIMIT
	NOTES:
	1.* THESE DASH NUMBERS ARE NONSTANDARD VALUES PER MIL- TABLE II
	TO HIGH TEMPERATURE EXPOSURE
	DASH NO. WITH EXPOSURE TO INDICATED
	TEMPERATURES (°C)
	B +55 +75 +85 +125 1 THRU 10 <1.0 <1.0 1.0 1.5
	11 THRU 18 2.3 4.5 7.5 9.0 19 THRU 24 6.0 12.5 15.0 25.0
	25 THRU 39 3.8 7.5 10.0 15.0
	PROCURE ONLY FROM APPROVED SOURCES LISTED ND 1002034 FOR THIS DRAWING.
安本語語での設め	
	4
ada M M Ta Ta Ta Ta Ta Ta Ta Ta Ta	
6 - E - E - E - E - E - E - E - E - E -	

ED TO 2 TIMES RATED VOLTAGE AT, AND A MAXIMUM OF 300 HOURS, THE REE OF CATASTROPHIC FAILURES.

ND RECORD THE FOLLOW-PRIOR TO AND FOLLOWING

I EACH SHIPMENT. THE NNER THAT PROVIDES INDIVIDUAL CAPACITOR THE FINAL READING AND FINAL AND INITIAL READING. LSO IDENTIFY PARTS THAT IREMENTS. HISTOGRAMS SHALL Y DISTRIBUTION OF THE ERISTIC AND TO SHOW THE ERCENT CHANGE OF EACH READING. UNITS FAILING MENTS OR WHICH EXCEED THE CHANGES FOLLOWING BURN-IN

· •

. . . .

•

•

٠

L READING a desta ta constante TIAL LIMIT

L-C-11015/20.

ON

.

≹ 5 (3 (5 (5

USED ON NEXT ASSY APPLICATION

. .

• .

		۰ .			2	•				· · · · · · · · · · · · · · · · · · ·						
				K		LĻ	. 29	00			SYM				DES	
						. « star,			(M	E F	CL	IS SHE ASS A VISED	REL		E
	Ŧ		τ						\mathcal{C}	3	G		EVISE	مد ار کار ک رد		
DAS		ABLE							Ľ	6	Η		VISED			RR
	D .	CAPACI- TANCE	DIMENS							J REVISED PER K REVISED PER						
		(UUF)	A	B			×									
-1 -2		10 20	.318	.090				•								
-3 -4		22 33														
-5		36	+ + + + + + + + + + + + + + + + + + +		4						# *					
-6 -7		47								•	•					•
-8 -9		50 56						۹.	- •				•		yan.	•
-1	0	68 75	┟╌┠╶┨		4					÷	۲۹ میں اور				angle of the second	
-1 -1	2	82						•								
-1 -1	3 4	100 130														
<u>-1</u> -1	5	150 220			4											
-1	7	270														
-1 -1		330 360						-3								
-2	20	470 560			-											
- 2	22	680											Ŧ			
-2	2 3 2 4	820 1000	.318	.090		т.								.•		
-'	2 <u>5</u> 26	2000 2200	.498	.120	-											
	27	3300														
_	28 29	4700 5000	.498				•	e-1								
-	30	6800 UF	.498	.160	4		٠		TL		-	CL	IEET	Γ	٨Г)
	31	.010	.498 .498		1				<u> </u>	_ 1.1.\				a	/-\L	/
	32 33	.022	.698	.240									LETE			
	3 4 35	.033	.648 .648	.240 .240						PL	US	THE	APPL	IC	ABL	E
	36 37	.050	.648	.240 .280			-			₩ . 2. `&. 1 •.	cin .		s B arran			•
	38	.100	.748	.280		_				••••••••••••••••••••••••••••••••••••••	7	ar Kay				
	39	.015	.498	.200	QTY REQD			PA IDENTI	rt 10 Fying		•					
	UNLES	SS OTHERWISE	E SPECIFIED)			м	IT					LIST OF			
	DIMEN	NSIONS ARE II RANCES ON			DWG		CAMBRID	GE. MAS	DN LA 15 NTRACT	NA	45 97					
	FRACT			ANGLES	DRAW	NO) Too	te	DATE	3AU	663				(CA
DO NOT SCALE THIS DRAWING				DRAWN OB JOSTEC DATE 3AUG63 CHECKED WILSON 14 AUG 63 APPROVAL									CE	:F		
				APPROVAL Eldan C fell 28 aug 63							· SP					
	HEAT	TREATMENT			NASA	APPR		Mik	sh y	128/	12					T
N FINAL FINISH				MIT	APPRO	dvai <i>Si</i>	2/2	hel	Fh	6/63	50A1 5	NONE				
	L	ч.			2		4		<u>с</u>					<u> </u>	•• • •	
a			a an													

•

