		NOTICE - WHEN GOVERNMENT DRAWINGS, SPECIFICATIONS, OR OTHER DATA ARE USED FOR ANY PURPOSE OTHER THAN IN CONNECTION WITH A DEFINITELY
		RELATED GOVERNMENT PROCURFMENT 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 INPLICATION OR OTHERWISE AS IN ANY MANNER LICENSING THE HOLDER OR ANY OTHER PERSON OR CORPORATION, OR CONVEY- ING ANY RIGHTS OR PERMISSION TO MANUFACTURE, USE, OR SELL ANY PATENTED INVENTION THAT MAY IN ANY WAY BE RELATED THERETO.
		REQUIREMENTS:
		1. GENERAL:
		A. INTERPRET DRAWING IN ACCORDANCE WITH TH
		SCRIBED BY MIL-D-70327.
		B. UNITS SHALL CONFORM TO THE REQUTREMENTS TYPE LT4K, GRADE 1, CLASS B AS MODIFIED
		OF THIS DRAWING.
		C. SUPPLIER SHALL CONFORM TO THE QUALITY A
		CUNTATINED IN NO TUT7404, CLM35 Z.
		D. UNITS SHALL BE CAPABLE OF MEETING THE O
		SHALL BE METHOD A (NO SALT).
		E. UNITS SHALL BE PERMANENTLY AND LEGIBLY
		AND NASA PART NUMBER (DRAWING NUMBER AN
		F. PREPARATION FOR DELIVERY SHALL BE IN AC
		ND 1002215, CLASS I, CODE 1.
	C	MARKING OF UNIT AND INTERMEDIATE F
		METHODS OF MARKING AS SPECIFIED IN
		2. ACCEPTANCE AND INSPECTION: (100% UNLESS 01
		A. MECHANICAL PROPERTIES:
		(1) DIMENSIONS: AS DELINEATED HEREIN.
		ALLOY (DUMET) PER ND 1015401. MAT
		CERTIFIED WITH EACH SHIPMENT. THE
		(3) TOROUE:
		(a) STARTING: 0.1 IN OZ MINIMUM
		(b) PREVAILING: 2.5 IN OZ MAXIM
		(c) MAXIMUM TORQUE: UNIT SHALL BE
		UTMOST CARE SHOULD BE USED NO
		B. ELECTRICAL CHARACTERISTICS:
	B	(1) INDUCTANCE TUNING RANGE: FROM 8
		HENRIES AT 2.0 MEGACYCLES 11:US O METER (OR FOLINIVALENT) WITH A A2
		ARCO ELECTRONICS DUR-NIGA CAPACITO
		PARALLEL WATH THE COLL. 420 PF A
		MICROHENRIES USING THE SAME EQUIPM
		PARAGRAPH 2.B.(1).
		(3) DC RESISTANCE: 1.9 OHMS MAX.
		(5) INDUCTANCE - TEMP COEF: ± 15G PPI
		+70°C. TEST ONE (I) SAMPLE PE
		(6) TEST VOLTAGE: 100 VRMS BETWEEN WI SLUG LINEN IN THE MAYIMUM INDUCTANC
		(7) DISTRIBUTED CAPACITANCE: (TWO (2)
		8 PICOFARADS MAXIMUM OVE
- verified and the second s		RANGE OF 8 TO15 MICROHE
		NIC
		PROCURE ONLY FROM APPROVED SOURCES LISTED IN ND
		• • • • • • • • • • • • • • • • • • •
- <del>1</del>		

15 ER IY- NY	C. VENDOR SUPPLIED DATA: EACH SI THE FOLLOWING DATA:
	(1) CERTIFICATE OF COMPLIANCE
	(2) CERTIFICATE OF COMPLIANCE
ANCE WITH THE STANDARDS PRE-	(3) CERTIFICATE OF COMPLIANCE
MINUL MITTI THE JIANDANUJ THE	(4) TEST DATA FROM SPECIAL C
REQUIREMENTS OF MIL-C-15305 3.	DESIGN:
AS MODIFIED BY THE REQUIREMENTS	A. OPERATING LIFE: 2000 HOURS M TEMPERATURE RATINGS. THE ADJ
HE QUALITY ASSURANCE PROVISIONS ASS 2.	OF 100 CYCLES OF OPERATION. THE WAY IN AND ALL THE WAY OU
EETING THE QUALIFICATION REQUIRE- THAT IMMERSION PER MIL-C-15305	B. CONSTRUCTION: PLASTIC CASE W TUNING SHAFT WHICH UNITROLS TO UNIT SHALL HAVE AN AUFQUATE
AND LEGIBLY MARKED, PER	SHAFT TO PREVENT POTTING AND I
ANCE VALUE RANGE, DC RESISTANCE,	C. OPERATING TEMPERATURE RANGE:
NG WUMBER AND REVISION LETTER).	D. CURRENT RATING (MAXIMUM): 20( CONDITION THE TEMPERATURE RISI
	SHOULD NOT EXCEED 70°C.
NTAINERS SHALL CONFORM TO THE TERMEDIATE PACKAGES AND THE SPECIFIED IN ND 1002215.	E. LEAD FATIGUE: EACH LEAD SHALL AND BEND TEST, HOWEVER THE SAM BOTH. NO MECHANICAL DAMAGE OF
O% UNLESS OTHERWISE SPECIFIED)	ANCE SHALL BE EVIDENCED AFTER
n an	PULL TEST: AN AXIAL PULL OF I
ATED HEREIN.	SUCH & MANNER THAT & TWO (2)
LE, GOLD PLATED IRON-NICKEL 015401. MATERIAL SHALL BE	AN AXIAL DIRECTION FROM THE LI
IPMENT. THE EXPOSED PORTION	BODY OF THE UNIT, WHILE IN THE
FREE OF SOLDER.	DIRECTION, THEN BACK 180° IN 1 90° TO THE ORIGINAL POSITION.
OZ MINIMUM 4.	SPECIAL CONDITIONING: EACH LOT SI
IN OZ MAXIMUM	VENDOR AND TEST DATA SUPPLIED WITH
IT SHALL BE CAPABLE OF WITHSTANDING TH THE TUNING SIUC AT EITHER STOP. D BE USED NOT TO EXCEED THIS LIMIT.	STEP 1 MEASURE AND RECORD THE INDU VALUE. STEP 2 PERFORM SIX (6) CYCLES OF -55°C FOR 30 MIN. AFTER TI
	125°C FOR 30 MIN AND THEN I
E: FROM 8 MIGROHENRIES TO 15 MICRO-	AND Q. THE Q SHOULD BE WIT INDUCTANCE SHOULD BE WITHIN REPEORM THE SEVENTH SECOND
AGA GAPAGATOR (OR EQUIVALENT) IN 420 PF AT 15 UH AND 790 PF AT 8 UH	- THE SPECIFIED LIMIT.
MICROHENRIES AND 50 MIN AT 15 SAME EQUIPMENT SPECIFIED IN	CAUTION SEE NOTE 2AG
MS MAX.	
5 MEGACYCLES MINIMUM.	
: ±-156 PPM/C+ FROM 0+C TO	
S RETUEEN LINNING AND THE TIMING	
UM INDUCTANCE POSITION.	UNLES DIMEN
E: (TWO (2) FREQUENCY METHOD)	CAPAC
AXIMUM OVER THE FREQUENCY	RESIST
5 MICROHENRIES	FRACT
A AI ANICACHELTILS	±

ISTED IN ND 1002034 FOR THIS DRAWING.

NEXT ASSY a anna an tao an tao

		2	2	en legen zerzen er en er en Er en er e			
1	+700001					REVISION	
J VC230	1023001		SYM	ZONE	E DESCRIPTION		
HIPMENT SHALL BE ACCOMPANIED BY		-	:	INITIM RELEASE CLASS	1968 FERTOR		
E TO ND 1015404. E WITH LEAD MATERIAL.		Α		REVISED PER TDR	R 20880		
		В		REVISED PER TDRR	21863		
		С		REVISED PER TORR	28152		
ONDITIONING.			•				
USTMEN ONE CY	AT MAXIMUM CURREN T SCREW SHALL BE ( CLE EQUALS ADJUST!	NT AND CAPABLE MENT ALL					

SEE DETAIL A----

\_340 \_320

.285

DETAIL A

.235

WITH AN ALUMINUM (LEAD SCREW) THE BONDED FERROUS SLUG. THE "O" RING SEAL ON THE TUNING MOISTURE PENETRATION.

0°C TO +70°C.

•

OO NILLIAMPERES. UNDER THIS I'SE WILL BE 35°C SO THE AMBIENT

IALL BE CAPABLE OF MEETING THE PULL SAME LEAD SHALL NOT BE TESTED FOR OR LACK OF ELECTRICAL PERFORM-ER THE TEST.

FOUR (4) POUNDS MINIMUM. NITS): HOLD THE COMPONENT IN POUND WEIGHT MAY BE SUSPENDED IN LEAD UNDER TEST. THE BEND CYCLE

ALL BE ACCOMPLISHED BY MOVING THE THE SAME PLANE, THROUGH 90° IN ONE \_.170\_\_\_\_ MIN THE OPPOSITE DIRECTION AND BACK 

SHALL BE TEMPERATURE CYCLED BY THE ITH EACH SHIPMENT. NDUCTANCE AND Q AT THE MID RANGE

125°C FOR 30 MIN, 25°C FOR 15 MIN, THE 6TH CYCLE PERFORM AN ADDITIONAL WITHIN 2 MIN MEASURE INDUCTANCE WITHIN SPECIFIED LIMITS AND THE HIN 10% OF THE ORIGINAL VALUE. CYCLE AND WITHIN 1/2 HOUR THE HIN 5% AND THE Q SHOULD BE WITHIN



USED ON

APPLICATION

		· · ·					
	QTY PART OR REQD IDENTIFYING NO.			MATERIAL OR NOTES			
			LIST OF MATERIALS				
SS OTHERWISE SPECIFIED ISIONS ARE IN INCHES CITOR VALUES ARE IN AF TOR VALUES ARE IN OHMS ANCES ON TIONS DECIMALS ANGLES ± ± OT SCALE THIS DRAWING	INS	MIT STRUMENTATION LAB CAMBRIDGE, MASS.		,	N	IANNE	ED S He
	DRAWI CHECK APPRO APPRO	VED Ellan C Hall 26 Ma		S	PECI	FICAT	
SEE NOTE	APPRO MIT APPRO MSC	VED Malal S/20		CALENICA	T NO.	SIZE C	
	2				<u> </u>		
		11	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		and the second		

