			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- 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 SCRIBED BY MIL-D-70327.
			B. UNITS SHALL CONFORM TO THE REQU TYPE LT4K, GRADE 1, CLASS B AS OF THIS DRAWING.
			C. SUPPLIER SHALL CONFORM TO THE CONTAINED IN ND 1015404, CLASS
			D. UNITS SHALL BE CAPABLE OF MEET MENTS OF ND 1002060 EXCEPT THA SHALL BE METHOD A (NO SALT). E. UNITS SHALL BE PERMANENTLY AND ND 1002019, WITH THE INDUCTANCE AND NASA PART NUMBER (DRAWING I
		- - -	F. PREPARATION FOR DELIVERY SHALL ND 1002215, CLASS I, CODE 1.
		C	(1) MARKING OF SHIPPING CONTA MARKING OF UNIT AND INTERI METHODS OF MARKING AS SPEC
			2. ACCEPTANCE AND INSPECTION: (100%)
			A. MECHANICAL PROPERTIES:
		Rada Bartan (Sala) - Kila Bartan Bartan Katal	(1) DIMENSIONS: AS DELINEATER (2) LEAD MATERIAL: WELDABLE, ALLOY (DUMET' PER ND 10154 CERTIFIED WITH EACH SHIPM
			OF THE LEADS SHALL BE FREE (3) TORQUE:
			(a) STARTING: 0.1 IN OZ (b) PREVAILING: 2.5 IN (
			* (c) MAXIMUM TORQUE: UNIT 3.5 IN OZ MAX. WITH UTMOST CARE SHOULD BE
		В	B. ELECTRICAL CHARACTERISTICS:
	a succession of the second sec		(1) INDUCTANCE TUNING RANGE: MENRIES AT 2.0 MEGACYCLES Q METER (OR EQUIVALENT) W ARCO ELECTRONICS DUR-MICA
			(2) Q-FACTOR: 30 MIN AT 8 MIC MICROHENRIES USING THE SAM
			PARAGRAPH 2.B.(1). (3) DC RESISTANCE: 1.9 OHMS P
			 (4) RESONANT FREQUENCY: 15 ME (5) INDUCTANCE - TEMP COEF: 470°C. TEST ONE (1) SAME
			(6) TEST VOLTAGE: 100 VRMS BE SLUG WHEN IN THE MAXIMUM
			(7) DISTRIBUTED CAPACITANCE: (8 PICOFARADS 12 5% A
		A	7.3 PICOFARADS ± 5% 7.2 PICOFARADS ± 5%
			PROCURE ONLY FROM APPROVED SOURCES LIST
a Man and an day many a			4
		· 2.5	
			- · · ·

- ICE WITH THE STANDARDS PRE-
- QUIREMENTS OF MIL-C-15305 S MODIFIED BY THE REQUIREMENTS
- QUALITY ASSURANCE PROVISIONS S 2.
- ETING THE QUALIFICATION REQUIRE-HAT IMMERSION PER MIL-C-15305
- D LEGIBLY MARKED, PER ICE VALUE RANGE, DC RESISTANCE, NUMBER AND REVISION LETTER).
- L BE IN ACCORDANCE WITH
- AINERS SHALL CONFORM TO THE RMEDIATE PACKAGES AND THE ECIFIED IN ND 1002215.
- UNLESS OTHERWISE SPECIFIED)
- ED HEREIN.
- GOLD PLATED IRON-NICKEL 5401. MATERIAL SHALL BE MENT. THE EXPOSED PORTION EE OF SOLDER.
- ZMINIMUM
- OZ MAXIMUM

SHALL BE CAPABLE OF WITHSTANDING THE TUNING SLUG AT EITHER STOP. BE USED NOT TO EXCEED THIS LIMIT.

FROM 8 MICROHENRIES TO 15 MICRO-IS 1 1X USING A BJONTON 260A WITH & 420 PF OR 790 RF ± 5% /--LA CAPACITOR (OR EQUIVALENT) IN 420 RF AT 15 UH AND 790 RF AT 8 UH. ICROHENRIES AND 50 MIN AT 15 AME EQUIPMENT SPECIFIED IN

- MAX.
- MEGACYCLES MINIMUM.
- ± 150 PPM/C* FROM O*C TO
- MPLE PER LOT BETWEEN WINDING AND THE TUNING INDUCTANCE POSITION.
- (TWO (2) FREQUENCY METHOD)
- AT 15MICROHENRIES
- AT 11-MAGROHENRAES
- AT 8 MICROHENRIES

TED IN ND 1002034 FOR THIS DRAWING.

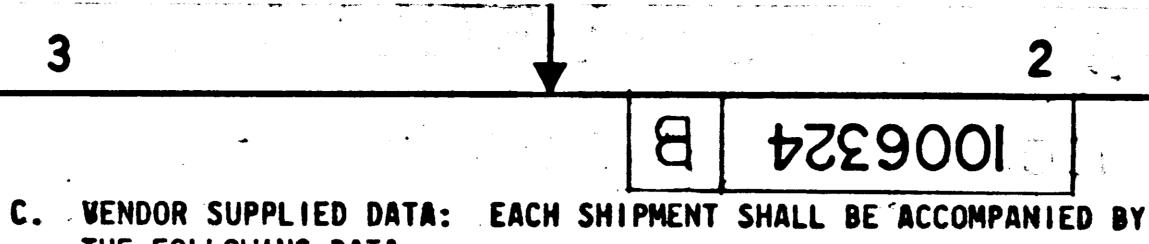
- THE FOLLOWING DATA: (1) CERTIFICATE OF COMPLIANCE TO ND 1015404. (4) TEST DATA FROM SPECIAL CONDITIONING.
- 3. DESIGN:
 - THE WAY IN AND ALL THE WAY OUT.

 - C. OPERATING TEMPERATURE RANGE: O°C TO +70°C.
 - SHOULD NOT EXCEED 70°C.
 - ANCE SHALL BE EVIDENCED AFTER THE TEST. 90° TO THE ORIGINAL POSITION.
- VENDOR AND TEST DATA SUPPLIED WITH EACH SHIPMENT. STEP 1 MEASURE AND RECORD THE INDUCTANCE AND Q AT THE MID RANGE
- VALUE. THE SPECIFIED LIMIT.

NEXT ASSY USED ON

APPLICATION

- · ·



(2) CERTIFICATE OF COMPLIANCE WITH LEAD MATERIAL. (3) CERTIFICATE OF COMPLIANCE WITH SPECIAL CONDITIONING.

A. OPERATING LIFE: 2000 HOURS MINIMUM AT MAXIMUM CURRENT AND TEMPERATURE RATINGS. THE ADJUSTMENT SCREW SHALL BE CAPABLE OF 100 CYCLES OF OPERATION. ONE CYCLE EQUALS ADJUSTMENT ALL

B. CONSTRUCTION: PLASTIC CASE WITH AN ALUMINUM (LEAD SCREW) TUNING SHAFT WHICH CONTROLS THE BONDED FERROUS SLUG. THE UNIT SHALL HAVE AN ADEQUATE "O" RING SEAL ON THE TUNING SHAFT TO PREVENT POTTING AND MOISTURE PENETRATION.

D. CURRENT RATING (MAXIMUM): 450 MILLIAMPERES. UNDER THIS CONDITION THE TEMPERATURE RISE WILL BE 35°C SO THE AMBIENT

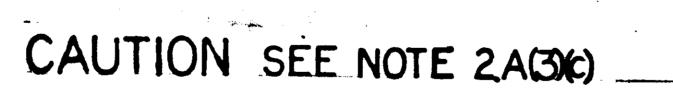
E. LEAD FATIGUE: EACH LEAD SHALL BE CAPABLE OF MEETING THE PULL AND BEND TEST, HOWEVER THE SAME LEAD SHALL NOT BE TESTED FOR BOTH. NO MECHANICAL DAMAGE OR LACK OF ELECTRICAL PERFORM-

PULL TEST: AN AXIAL PULL OF FOUR (4) POUNDS MINIMUM.

BEND TEST: (DISCARD TESTED UNITS): HOLD THE COMPONENT IN SUCH A MANNER THAT A TWO (2) POUND WEIGHT MAY BE SUSPENDED IN AN AXIAL DIRECTION FROM THE LEAD UNDER TEST. THE BEND CYCLE (ONE (1) CYCLE REQUIRED) SHALL BE ACCOMPLISHED BY MOVING THE BODY OF THE UNIT, WHILE IN THE SAME PLANE, THROUGH 90 IN ONE DIRECTION, THEN BACK 180° IN THE OPPOSITE DIRECTION AND BACK

4. SPECIAL CONDITIONING: EACH LOT SHALL BE TEMPERATURE CYCLED BY THE

STEP 2 PERFORM SIX (6) CYCLES OF 125°C FOR 30 MIN, 25°C FOR 15 MIN, -55°C FOR 30 MIN. AFTER THE 6TH CYCLE PERFORM AN ADDITIONAL 125°C FOR 30 MIN AND THEN WITHIN 2 MIN MEASURE INDUCTANCE AND Q. THE Q SHOULD BE WITHIN SPECIFIED LIMITS AND THE INDUCTANCE SHOULD BE WITHIN 10% OF THE ORIGINAL VALUE. PERFORM THE SEVENTH -55°C CYCLE AND WITHIN 1/2 HOUR THE INDUCTANCE SHOULD BE WITHIN 5% AND THE Q SHOULD BE WITHIN



	QTY REQD		t or Ying No		MATERIAL OR NOTES			
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES CAPACITOR VALUES ARE IN Af	INS	MI STRUMENTA CAMBRIDGE	TION	LAB		. N	ANN	11
RESISTOR VALUES ARE IN OHMS TOLERANCES ON FRACTIONS DECIMALS ANGLES \pm \pm \pm DO NOT SCALE THIS DRAWING MATERIAL	APPRO	KED Jon an OVED OVED OVED	78M	10APR4 13A216		SPECI	FICA	
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