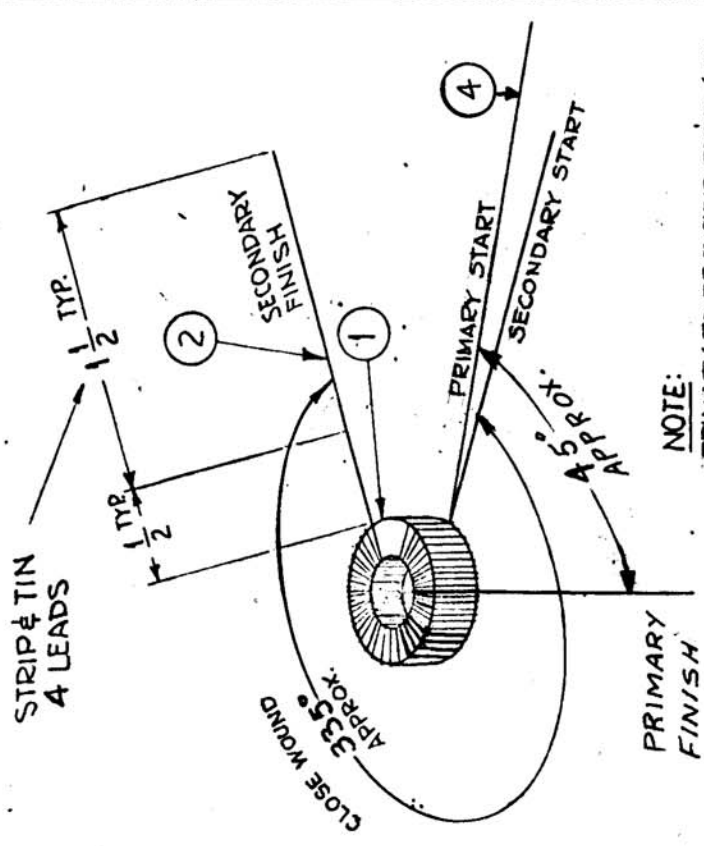


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REQ. PER UNIT	MODEL	ASSY. NO.	USED ON
1	HFR-1A	A 3520	DATE
1	HFR-2	A 3520	3-6-64

A 3519 B



NOTE:
PRIMARY TO BE WOUND OVER (ON TOP OF) SECONDARY WINDING.

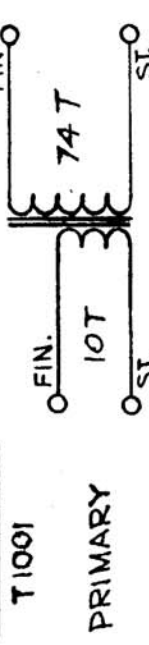
- WINDING PROCEDURE -
1. WIND SECONDARY APPROX. 1/4 TURNS EQUALLY SPACED OVER THE ANGLE ϕ IN THE DIRECTION SHOWN.
 2. REMOVE OR ADD TURNS TO MEET INDUCTANCE.
 3. STAKE LEADS SECURELY WITH G-MAX.
 4. WIND PRIMARY 10 TURNS EQUALLY SPACED OVER THE ANGLE ϕ IN THE DIRECTION SHOWN.
 5. STAKE LEADS SECURELY WITH G-MAX.
 6. BAKE FOR 1/2 HR. AT 215° F TO REMOVE MOISTURE.
 7. COAT COIL & CORE WITH G-MAX & BAKE 1/2 HR. AT 215° F.
- ELECTRICAL SPECS -
- SECONDARY L = 21.2 μ h \pm 0.6 μ h.
 Q = 130 MIN AT 2.5 MC
 C dist. = 1.0 μ f. (FOR REF. ONLY)

* NOTE: USE TMC COIL STANDARDS FOR TEST REFERENCE.

REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL
X 4	WI 141-30-5	MAGNET WIRE, SINGLE # 30	
X 3	GL102	G-MAX	
X 2	WI 141-30-9	MAGNET WIRE, SINGLE # 30	
1	CI 127-1	CORE, TOROID	

THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
TZ 175 ASSEMBLY	
TRANSFORMER, ANTENNA BAND 1 FREQ. 2-3 MC	
G.D.L	FINAL APPROVAL
Angel	CHECKED
	DRAWN
	MECH. DES. APP.
	ELEC. DES. APP.
	FINISH & SPEC. NO.
	HEAT TREAT. SPEC.
	TYPE & TEMPER
	MATERIAL
	STOCK SIZE

SCHMATIC



B	NOTE ADDED	1-12-67	RME	G.D.L
A	IT-4 ADDED FILE SPEC. REVISED ORIGINAL RELEASE FOR PRODUCTION	10/2/68	H.K.	J
X	EXPERIMENTA RELEASE	8-24	Q	Day
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS CHECKER ENG. APP.
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ON FRAC. \pm 1/64 DEC. \pm .005 ANGLES \pm 1/2°				
SCALE: DO NOT SCALE				
MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES				