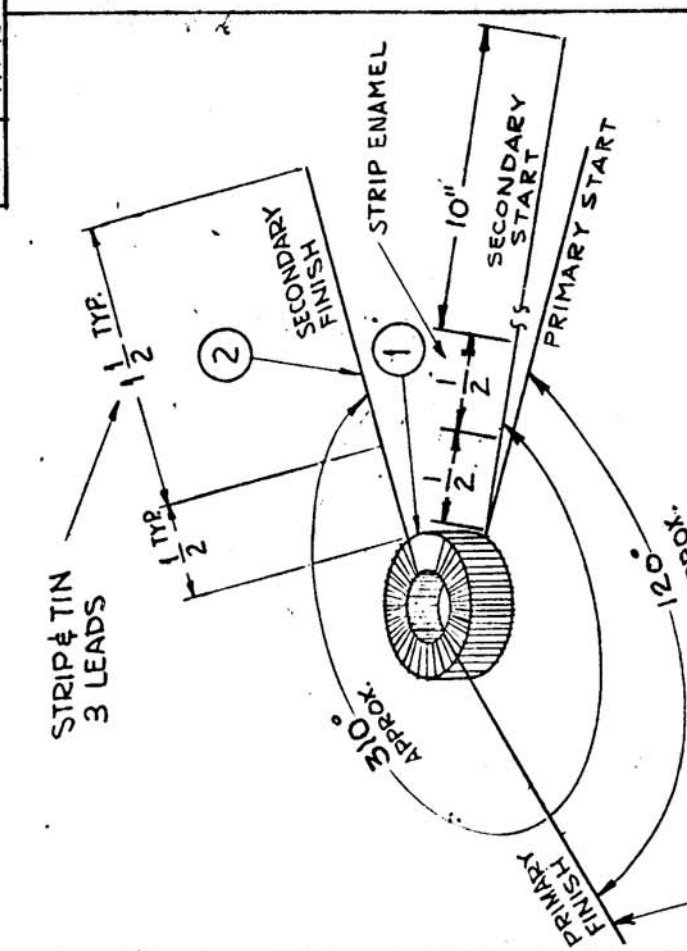


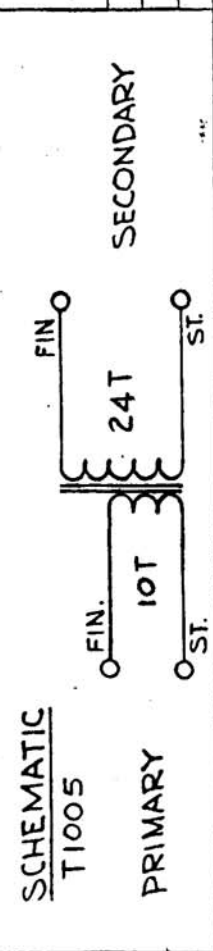
THE CONTENTS OF THIS DRAWING ARE THE EXCLUSIVE PROPERTY OF THE TECHNICAL MATERIEL CORP. ITS UNAUTHORIZED USE OR REPRODUCTION IN WHOLE OR IN PART IS STRICTLY FORBIDDEN.		USED ON	
REQ. PER UNIT	MODEL	ASSY. NO.	DATE
1	HFR-1A	A 3532	3-10-64
1	HFR-2	A 3532	3-10-64

A 3530

A



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



- WINDING PROCEDURE
1. WIND SECONDARY APPROX. 24 TURNS EQUALLY SPACED OVER THE ANGLE ϕ IN THE DIRECTION SHOWN.
 2. REMOVE OR ADD TURNS TO MEET INDUCTANCE.
 3. STAKE LEADS SECURELY WITH Q-MAX
 4. WIND PRIMARY 10 TURNS EQUALLY SPACED OVER THE ANGLE ϕ IN THE DIRECTION SHOWN.
 5. STAKE LEADS SECURELY WITH Q-MAX.
 6. BAKE FOR 1/2 HR. AT 215° F TO REMOVE MOISTURE.
 7. COAT COIL & CORE WITH Q-MAX & BAKE 1/2 HR. AT 215° F.
- * NOTE: USE TMC COIL STANDARDS FOR TEST REFERENCE.
— ELECTRICAL SPECS —
- SECONDARY L = 2.64 μ h \pm 0.07 μ h.
WITH COIL CLAMPED INTO Q-METER 1/2" AWAY FROM TERMINALS, WITH START END OF COIL TO LOW SIDE.
Q = 200 MIN. AT 7.9 MC
Cdist. = 0.8 μ mf (FOR REF ONLY)
- PRIMARY L = 0.77 μ h \pm 0.04 μ h
Q = 85 MIN AT 10 MC
Cdist. = 2.1 μ mf (FOR REF ONLY)

REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL
X 3	GL102	Q-MAX	
X 2	WI 141-24-9	MAGNET WIRE, SINGLE #24	
1	CI 127-1	CORE, TOROID	

THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK		TZ 178 ASSY	
TRANSFORMER, ANTENNA, BAND #4, FREQ. 6-8 MC		G.D.L.	
TYPE & TEMPER	HEAT TREAT. SPEC.	DRAWN	CHECKED
FINISH & SPEC. NO.		FIN. DES. APP.	MECH. DES. APP.
SCALE: DO NOT SCALE		FINAL APPROVAL	
MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES		A 3530	
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ON FRAC. \pm 1/64 DEC. \pm .005 ANGLES \pm 1/20		A 3530	