

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.

REQ. PER UNIT

1

MODEL

HFR 1/T

USED ON

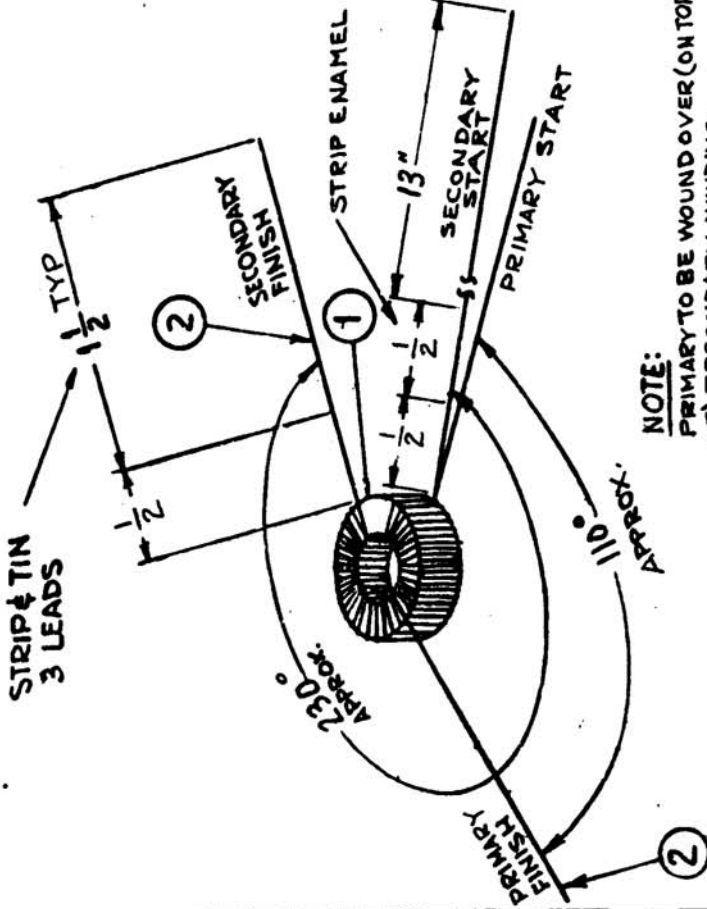
ASSY. N. A-2575

DATE

8-22-62

A-2528

B



SCHEMATIC



DATE	11-12-62	CH. NO.	7651	DRAFTS	CHECKER	ENG. APP.
DESCRIPTION	C. DIST. ADDED TO SEC & PRI					
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES TOLERANCES ON	MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES					
FRAC. ± 1/64	DEC. ± .008	ANGLES ± 1/8°				

- WINDING PROCEDURE —
1. WIND SECONDARY APPROX. 21 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 = 2.1 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 = 165 AT 7.9 MC.
C DISTRIB. 1.1 μ mf (FOR REF. ONLY)
PRIMARY L = 0.82 μ h (FOR REF. ONLY)
C DISTRIB = 2.5 μ mf (FOR REF. ONLY)

REQ. ITEM	3	GL 102	Q-MAX	SYMBOL
	X 2	WI-122-24	MAGNET WIRE, SINGLE # 24	
	1	CI 127-1	CORE, TOROID	
DESCRIPTION	THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK			
PART NO.	TZ-112 ASSEMBLY			
STOCK SIZE	TRANSFORMER, ANTENNA BAND 5, FREQ 8-12 MC			
MATERIAL	F. Simon			
TYPE & TEMPER	W	HEAT TREAT. SPEC.	W	DRAWN
FINISH & SPEC. NO.	W		J. ANGER	CHECKED
			Yule	FINAL APPROVAL
			A-2528	
			B	