

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

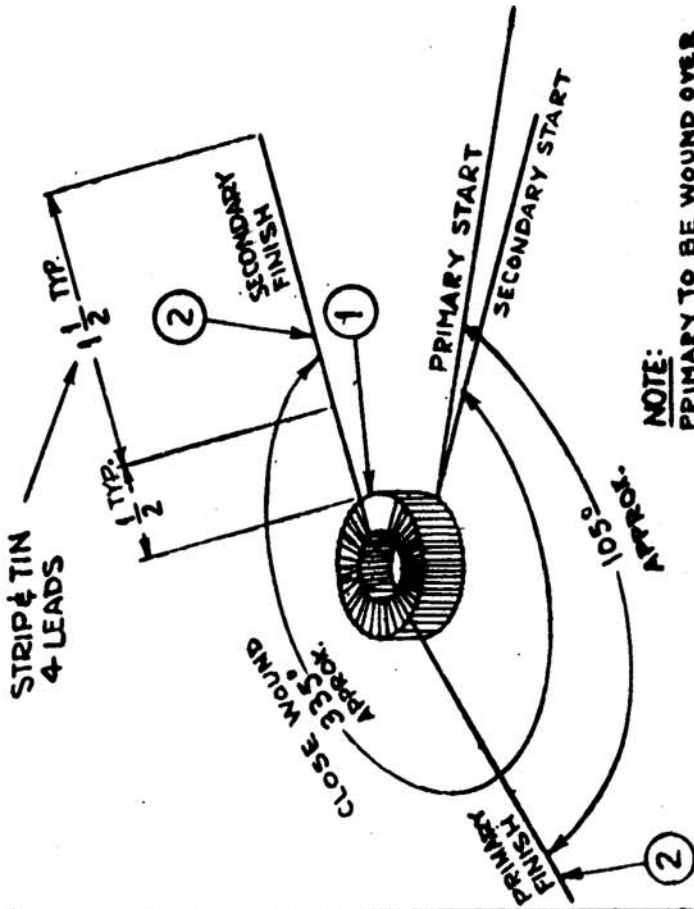
ASSY. NO. A-2371

DATE

8-22-62

A-2524

B



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

SCHEMATIC

T 1001



PRIMARY SECONDARY

B NOTE ADDED
A CDISTRIB ADDED (PRIMARY)

SYM	DESCRIPTION	DATE	CH. NO.	DELITS	CHECKER	ENG. APP.
B	NOTE ADDED	11-12-67	17575	RME	G.D.L	[Signature]
A	CDISTRIB ADDED (PRIMARY)	11-12-67	7651	[Signature]	[Signature]	[Signature]

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRAC. ± 1/64 DEC. ± .003 ANGLES ± 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

— WINDING PROCEDURE —

1. WIND SECONDARY APPROX. 75 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 23 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 = 23.7 μh ± 0.35 μh.

Q = .150 AT 2.5 MC.

C DISTRIB. 2.5 μmf (FOR REF. ONLY)

L = 4.3 μh (FOR REF. ONLY)

C. DISTRIB. = 7.4 μmf (FOR REF. ONLY)

PRIMARY

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
X 3	GL 102	Q-MAX		
X 2	WJ-122-30	MAGNET WIRE, SINGLE # 30		
1	CI 127-1	CORE, TOROID		

THE TECHNICAL MATERIEL CORP.
MAMARONECK NEW YORK

TZ-108 ASSEMBLY

TRANSFORMER, ANTENNA BAND I FREQ. 2,3 MC

TYPE & TEMPER	HEAT TREAT. SPEC.	DRAWN	CHECKED	FINAL APPROVAL
W	W	J. SINGER	J. SINGER	BP
W	W	J. ANGER	J. ANGER	J. ANGER

ELEC. DES. APP. MECH. DES. APP. MECH. DES. APP.
FINISH & SPEC. NO. A-2524

B