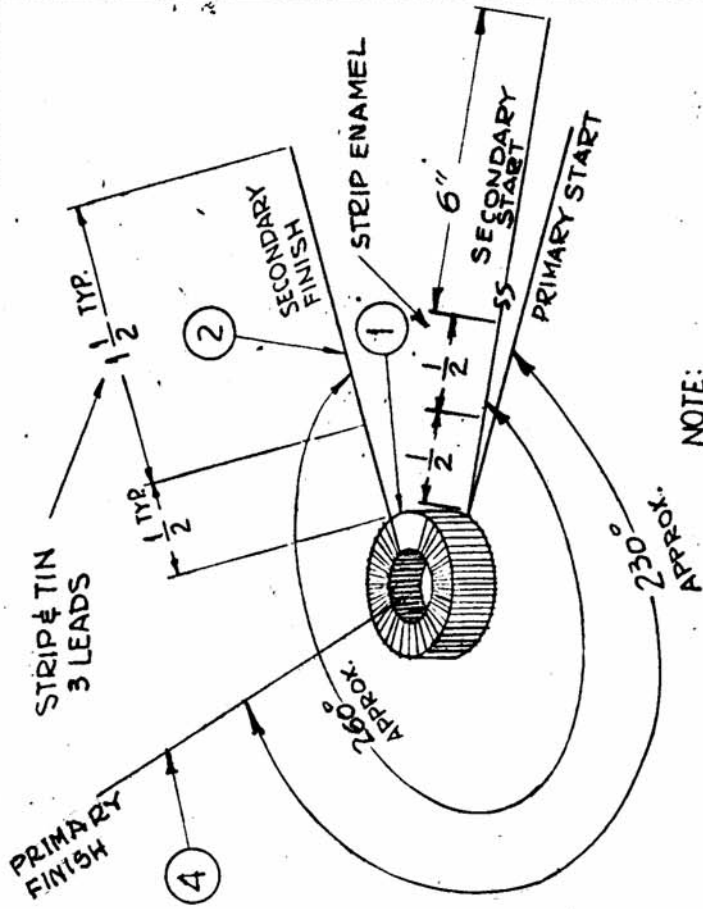


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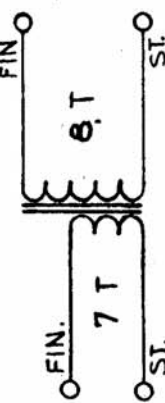
A 3566 A

REQ. PER UNIT	MODEL	USED ON
1	HFR-1A	ASSY. NO. A 3568 DATE 3-23-64
1	HFR-2	A 3568 3-23-64



SCHMATIC T1009

PRIMARY



NOTE: PRIMARY & SECONDARY TO BE WOUND IN PARALLEL TO FORM A SINGLE LAYER

1. WIND SECONDARY 8 TURNS EQUALLY SPACED OVER THE ANGLE ϕ IN THE DIRECTION SHOWN.
2. PUSH TURNS TOGETHER OR SPREAD APART AS NEEDED TO MEET INDUCTANCE SHOWN IN TEST SPECS.
3. STAKE LEADS SECURELY WITH G-MAX.
4. WIND PRIMARY 7 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.

* NOTE: USE TMC COIL STANDARDS FOR TEST REFERENCE.

— ELECTRICAL SPECS —

SECONDARY $L = 0.32 \mu h \pm 0.01 \mu h$.

WITH COIL CLAMPED INTO G-METER 1/2" AWAY FROM TERMINALS, WITH START END OF COIL TO LOW SIDE.

$Q = 150 \text{ MIN. AT } 25 \text{ MC}$

$C_{\text{dist.}} = 0.8 \mu\text{mf (FOR REF. ONLY)}$

PRIMARY $L = 0.294 \mu h \pm 0.015 \mu h$

$Q = 125 \text{ MIN AT } 25 \text{ MC}$

$C_{\text{dist.}} = 0.7 \mu\text{mf (FOR REF ONLY)}$

X 4	WI 141-24-9	WIRE MAGNET, SINGLE # 24
X 3	GL102	G-MAX
X 2	WI 141-20-9	WIRE MAGNET, SINGLE # 20
1	CI 127-1	CORE, TOROID

REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL
		THE TECHNICAL MATERIEL CORP.	
		MAMARONECK, NEW YORK	
		TZ 182 ASSEMBLY	
		TRANS. ANT. BAND #8 FREQ 24-32 MC.	
		G.D.L.	
		CHECKED	
		DRAWN	
		FINISH & SPEC. NO.	
		MECH. DES. APP.	
		FINAL APPROVAL	
		A 3566	A

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
A	NOTE ADDED	1-12-67	17575	RME	GDL	M
Q	ORIGINAL RELEASE FOR PRODUCTION	8-13-64				
X	EXPERIMENTAL RELEASE	3-30-64				

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES TOLERANCES ON FRAC. $\pm 1/64$ DEC. $\pm .005$ ANGLES $\pm 1/20$

SCALE: DO NOT SCALE

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES