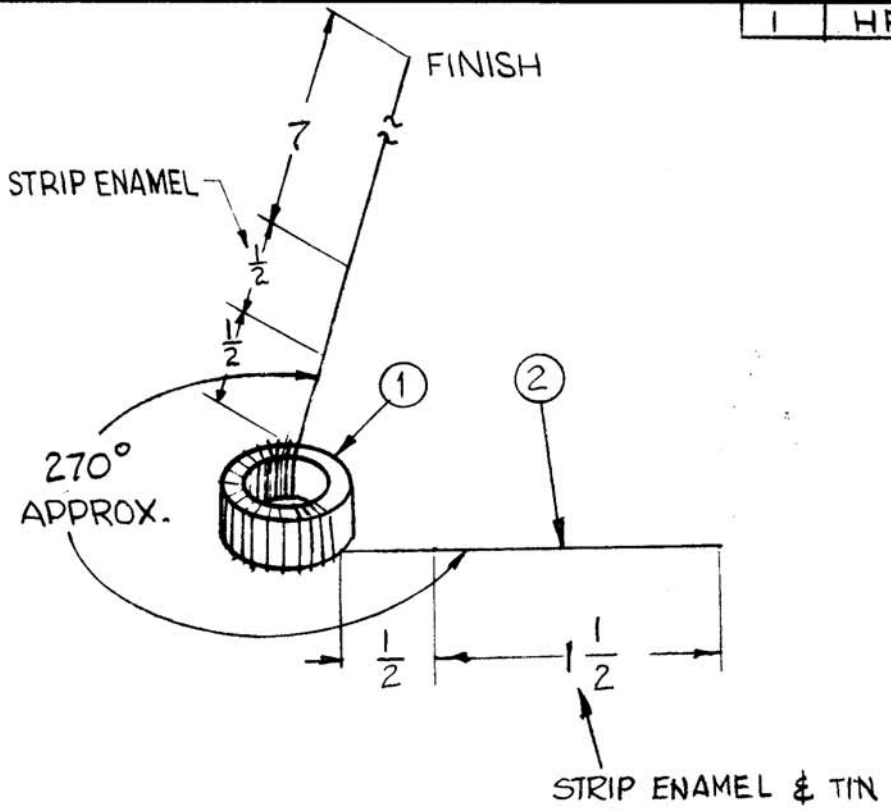
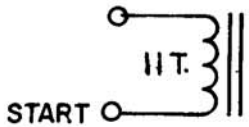
THE CONTENTS OF THIS DRAWING ARE THE EXCLUSIVE PROPERTY OF THE TECHNICAL MATERIEL CORP. ITS UNAUTHORIZED USE OR REPRODUCTION IN WHOLE OR IN PART IS STRICTLY FORBIDDEN.

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE
1	HFR-1A	A 3504	2-25-64
1	HFR-2	A 3504	

A 3503 B





SCHEMATIC

— PROCEDURE —

1. WIND 11 TURNS EVENLY SPACED OVER A 270° ANGLE, WIND TURNS IN THE DIRECTION SHOWN.
2. PUSH TURNS TOGETHER OR SPREAD APPART AS NEEDED TO MEET INDUCTANCE SHOWN IN TEST SPECS.
3. BAKE FOR $\frac{1}{2}$ HOUR AT 215°F TO REMOVE MOISTURE.
4. COAT COIL & CORE WITH GL-102 Q-MAX AND BAKE FOR $\frac{1}{2}$ HOUR AT 215°F.

TEST SPECIFICATIONS

INDUCTANCE = 0.615 μh ±.015 μh WITH COIL CLAMPED INTO Q-METER $\frac{1}{2}$" AWAY FROM TERMINALS WITH FINISH END OF COIL TO LOW SIDE.

Q = 185 MIN. AT 25 MC

OPERATING FREQ. RANGE = 17.75 - 25.75 MC.

$C_{dist.}$ = 0.4μμf (REF. ONLY)

SYMBOL USED

L1047A

* NOTE: USE TMC COIL STANDARDS FOR TEST REFERENCE.

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
X	3	GL 102	Q-MAX	
X	2	WI 141-22-9	MAGNET WIRE, SINGLE #22	
1	1	CI 127-1	CORE, TOROID	

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
B	NOTE ADDED	1-12-67	17575	RME	G.D.L	
A	Q SPEC. WAS 200 MIN.	9/27/65	14729	[illegible]	[illegible]	
Q	ORIGINIAL RELEASE FOR PRODUCTION	8-13-64	Q	[illegible]		
X	EXPERIMENTAL RELEASE	3-26-64		[illegible]		

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRAC. ± 1/64 DEC. ± .005 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

STOCK SIZE: —
MATERIAL: —
TYPE & TEMPER: — HEAT TREAT. SPEC.: —
FINISH & SPEC. NO.: —

ANGER

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

COIL, RF, ASS'Y
BAND #7 OSC.

DRAWN	CHECKED	FINAL APPROVAL
G.D.L	@	[signature]

ELEC. DES. APP.	MECH. DES. APP.	
[signature]		A 3503 B