

TURNS	TEST F
10	100KHz

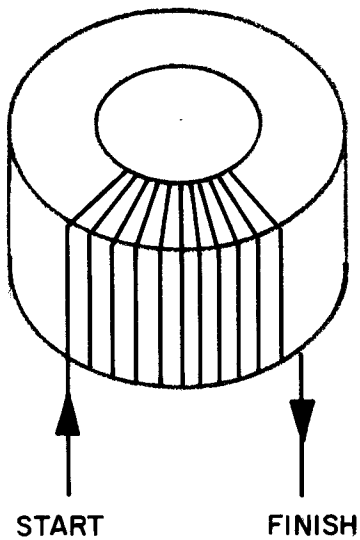
ELEC. NOTE: INDUCTANCE & Q NOT CRITICAL ON THIS XFMR SINCE IT IS WOUND ON LOW FREQ MATL. TO PRODUCE A BROADBAND EFFECT

REVISIONS							
E.M.N. NO.	DRAFT	CHKD	ZONE	LTR	DESCRIPTION	DATE	APPROVED
	CL			Ø	ORIG RELEASE FOR PRODUCTION	2-19-73	

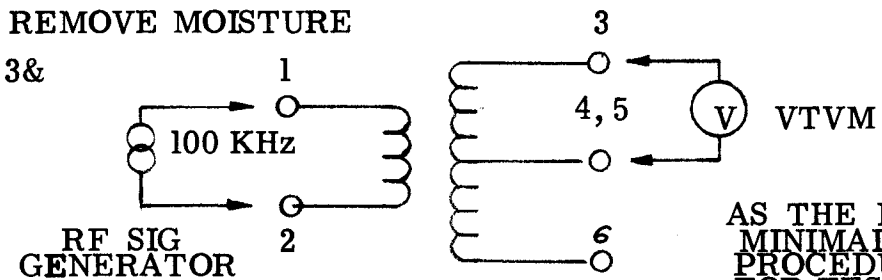
WINDING PROCEDURE

1. TWIST ITEMS 2 & 7 TOGETHER TO FORM ONE CABLE WITH THREE CONDUCTORS.
2. WIND IT. 4 ON IT. 1.
3. WIND ITEM 2 IN THE DIRECTION SHOWN, TIGHTLY SPACED AS INDICATED, WITHOUT OVERLAPPING TURNS STEP A.
4. SEPARATE, MARK & CONNECT WIRES AS SHOWN IN STEP B.
5. SAND AND CLEAN LEADS AND TIN WITH IT. 5.
6. WIRES MARKED 1 & 2 SHOULD BE 2 1/2" LONG, AFTER TINNING. ALL OTHER WIRES SHOULD BE 1 1/2" LONG AFTER TINNING.
7. STAKE LEADS SECURELY WITH IT. 3.
8. BAKE FOR 1/2 HR. @ 180°F TO REMOVE MOISTURE
9. COAT COIL & CORE WITH IT. 3 & BAKE FOR 1/2 HR. @ 150°F.
10. WIND IT. 4 OVER COIL.

10 TURNS



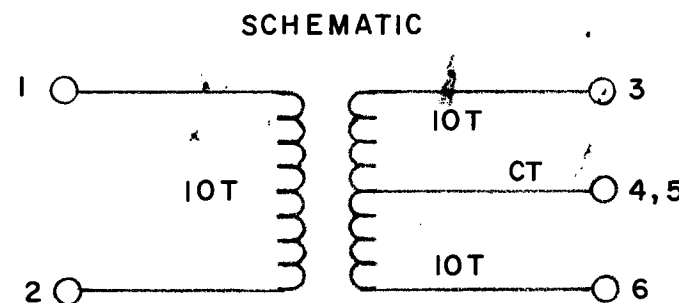
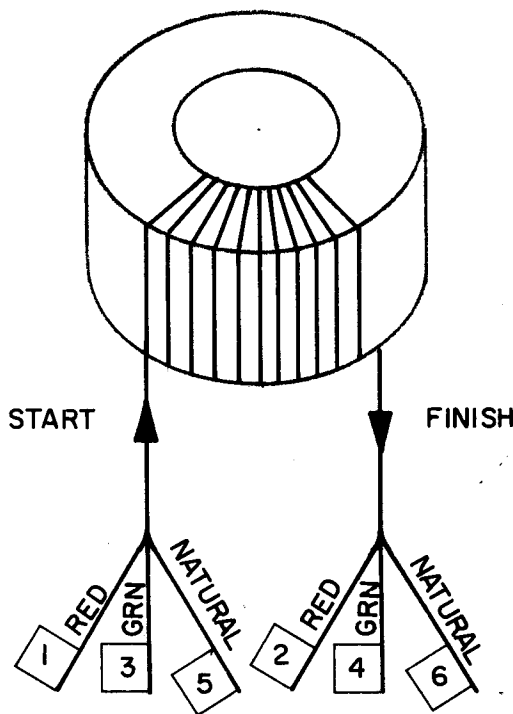
STEP A
WINDING DETAIL 10 TURNS AS SHOWN ITEM 2.



AS THE INDUCTANCE IS MINIMAL THE FOLLOWING PROCEDURE SHOULD BE USED FOR TESTING TT309 REFER TO FIG. 1

- FIG. 1
1. APPLY 100KHz AT IV RMS TO LEADS 1 & 2
 2. USE A VTVM AND MEASURE ACROSS LEADS 3 & 4, 5 AND THEN ACROSS LEADS 6 & 4, 5.
 3. THERE SHOULD BE IV RMS ACROSS EACH WINDING.

STEP B
WIRING DETAIL SEPARATE EACH CONDUCTOR AND MARK AS SHOWN CONNECT [5] (NATURAL) TO [4] GREEN.



REQ'D	ITEM	PART NUMBER	DESCRIPTION	SYM.
	7	WI-141-34-9	WIRE ELEC. MAGNET	
	6	LA-101-(ASREQ)	TAPE MARKER	
X	5	BS100	SOLDER TIN ALLOY	
X	4	TA108-1	INS. TAPE EL. GL.	
X	3	GL130	ADHESIVE Q DOPE	
X	2	WI148-34-25	WIRE, ELEC. MAGNET (2 COND)	
	1	CI127-7	CORE, TOROID	

LIST OF MATERIAL

2		RSLI-1		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		FINAL APPROVAL <i>[Signature]</i>		DATE 2-8-73		THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
QTY / UNIT	MODEL USED ON	ASS'Y NO.	APPLICATION	DECIMALS .X ± .05 .XX ± .01 .XXX ± .005	FRACTIONS 1/64 ANGLES 0° - 30'	ELECT. DES. <i>[Signature]</i>	DATE 2-8-73	XFMR, MIXER 100KHz			
CODE				MATERIAL		CHECKED		DATE 1-16-73		SIZE B	
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						SCALE		DWG NO. TT309		ISSUE Ø	
						SHEET		OF			