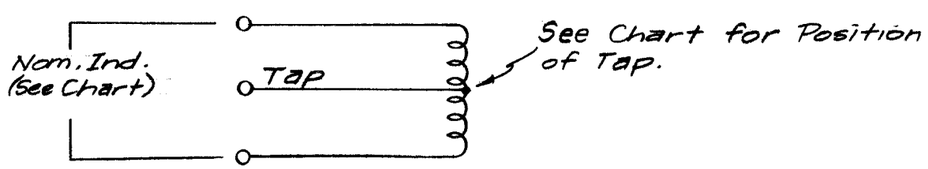
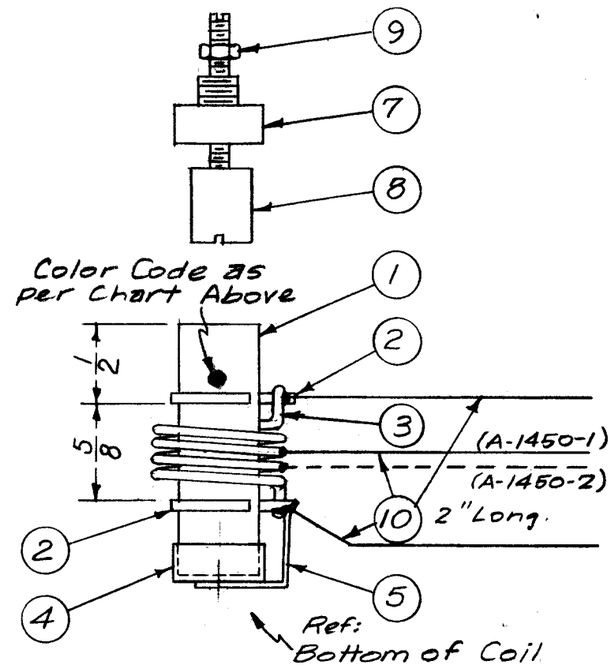
A-1450

TMC NO.	NO. of TURNS	TAP INFO.	NOM. INDUCT. at 25 Mcs. – w/o Core (uhy)	Q at 25 Mcs. MUST BE GREATER THAN	REQ. PER UNIT	COLOR CODE
A-1450-1	4	CENTER TAP	.38(.342-.418)	200	2 (T114 T118)	Red
A-1450-2	4	TAP ONE TURN from BOTTOM	.38(.342-.418)	200	1 (T123)	Or.

PROCEDURE

1. Secure Terminal Rings (item 2) and bushing (item 4) to coil form with item 11 (GL-104-2). Do not allow Insulex to form on terminal tips or top end of coil form.
2. Bake for 2 hours at 250° F.
3. Wind Coil as shown at far right with No. of turns as per chart above.
4. Position coil midway between terminals as shown in Ass'y. at right. (Coil dia. must be concentric with coil form dia.).
5. Solder coil, leads, and terminal lug (item 5) to ring terminals as shown. Note - Terminal Lug mtg. hole must be centered with bushing mtg. hole.
6. Solder tap to coil as per chart above, and winding Pictorial.
8. Test unit as per chart above and schematic, using existing terminal leads. (Note - Use Boonton Q Meter Model 160 A or Equiv.) Cut bottom lead off after test.
9. Items 7, 8, & 9 to be left as a separate Ass'y. inserted, but not secured in coil.

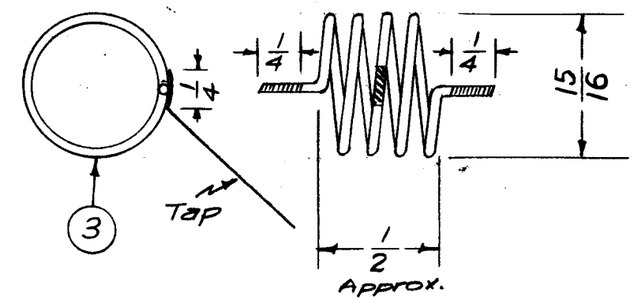




ASSEMBLY

WINDING

1. Close Wind 4 turns of item 3 on a 13/16" O.D. Form.
2. Spread turns evenly when Assembling to coil form. (as shown below)



3. Scrape 1/4" areas for soldering as shown.
4. Lay Tap in as shown, positioned on turn specified in chart.

REQ. PER EA.	ITEM	PART NO.	DESCRIPTION	SYMBOL
X	11	GL-104-2	Insulex, U-85	
6"	10	WL-100-7	Wire, Buss	
1	9	NTH0632BC8	Nut, Hex.	
1	8	CI-109-8	Core, Tuning	Red
1	7	SM-142	Bushing, Coil Form	
1	6	BS-100	Solder, Soft	
1	5	TE-116-4	Lug, Solder	
1	4	SM-143-2	Bushing, Coil Form	
X	3	WI-127-14	Magnet Wire, Plain Enamel	
2	2	TE-153-3	Terminal, Ring Type	
1	1	CF-120-1.625	Coil Form	

ISSUE	ITEM	CHANGED FROM	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.

TOLERANCES

DEC. DIM. ±
FRAC. DIM. ±
ANGULAR DIM. ±

SCALE: 1-959 1-960

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

CHART	5BE-1			8-9-57
REQ. PER UNIT	MODEL	PROJECT NO.	ASS'Y. NO.	DATE

USED ON

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

TRANSFORMER, R.F.
BAND 4 - 16 to 32 Mcs.

DRAWN	CHECKED	FINAL APPROVAL
8-9-57		
ELEC. DES. APP.	MECH. DES. APP.	A-1450

FORM - 109 - A