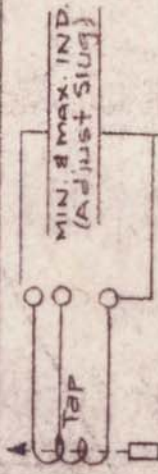


**PROCEDURE**

1. Slip two terminal rings (item 2) on form (item 1) as shown. (Marked "A" and "B").
2. Force fit outer form (item 3) onto inner form (item 1) and cement with Insulex (item 6).
3. Slip terminal ring marked "C" on inner form.
4. Cement all rings to inner form.
5. Wind 4 turns of wire (item 4) on outer form. Bring out tap at 2 1/4 turns from top. Slip Sleeve (item 7) over tap. Solder all wire ends to proper terminals.
6. Paint Winding with Insulex.
7. Bake for 1/2 hour at 250°F.
8. Insert Core (item 5).
9. Test as shown below. Use Boonton Q - Meter Model 160A or Equivalent.



Minimum Inductance must be less than .36 uhy.  
 Maximum Inductance must be more than .45 uhy.  
 Q at 2.5 Mc must be more than 140  
 Test frequency 25 Mc.  
 Operating frequency = 20-28 Mc.

| ISSUE ITEM | CHANGED FROM   | DATE    | CH. NO. | DRAFTS | CHECKER | ENG. APP. |
|------------|--|---------|---------|--------|---------|-----------|
| F          | Replaced by CL148  | 6/11/71 | 20332   | 00     |         |           |
| E          | TOL. WAS ± 1/64<br>IND. VALUES ADDED<br>PRO. 5 WAS 2 1/2 TURNS | 9/16/61 | 5557    | X4     | QWB     | RK        |
| D          | ITEM 5 WAS<br>C.I.-109-19                                      | 6/24/59 | 1125    | JDE    | JDE     | JDE       |
| C          | TEST Q WAS 160<br>Winding changed                              | 4/1/59  |         | J.C.B. | J.C.B.  | J.C.B.    |
| B          | COMPLETELY<br>REVISED  | 1/14/59 | 669     | JDE    | JDE     | JDE       |
| A          | Dim. changed. B/C was 3/2.<br>1/2 was 1/4                      | 1/15/59 | 640     | JDE    | JDE     | JDE       |

**TOLERANCES**

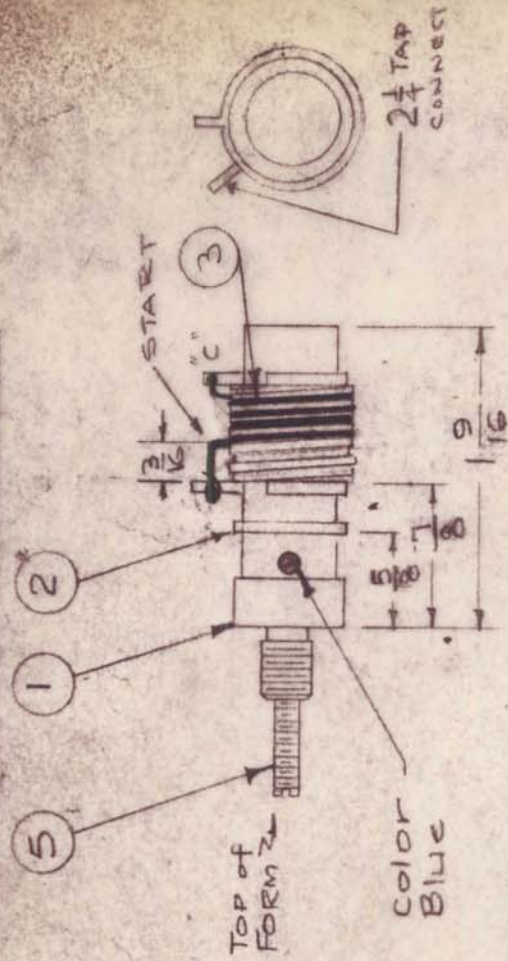
DEC. DIM. ±  
 FRAC. DIM. ± 1/32  
 ANGULAR DIM. ±

SCALE: 1/16

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

|               |          |
|---------------|----------|
| REQ. PER UNIT | 1        |
| MODEL         | RFB-1    |
| ASSY. NO.     | GPT-10K  |
| DATE          | 12-22-58 |
| USED ON       | RFC-1    |
|               | 11-22-60 |

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SUPERSEDED  
 DIRECTLY REPLACED  
 BY CL148

| REQ. ITEM  | PART NO.      | DESCRIPTION                  | SYMBOL  |
|--|---------------|------------------------------|---------|
| X 8  | BS-100        | Solder, Soft                 |         |
| 1/2  | PX-100-1-.053 | Insulation, Sleeve (Size 16) | Blk     |
| X 6  | GL-104-2      | Insulex, 085                 |         |
| 1 5  | C.I.-109-19   | Core, Tuning, Red            |         |
| X 4  | WL-100-5      | Wire, Buss (Size 18)         |         |
| 1 3  | CF-125-3P0.50 | Coil Form, Grooved           |         |
| 3 2  | TE-153-3      | Terminal, Ring Type          |         |
| 1 1  | CF-119-1.562  | Coil Form, w/Bushing         |         |
| STOCK SIZE   |               |                              |         |
| MATERIAL   |               |                              |         |
| THE TECHNICAL MATERIEL CORP.<br>MAMARONECK, NEW YORK |               |                              |         |
| RF COIL ASSY, TUNED<br>(CL-148)                      |               |                              |         |
| 20-28 MC   |               |                              |         |
| TYPE & TEMPER  |               | HEAT TREAT. SPEC.            | CHECKED |
| FINISH & SPEC. NO.                                   |               |                              |         |
| DRAWN  |               |                              |         |
| ELEC. DES. APP. MECH. DES. APP.                      |               |                              |         |

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