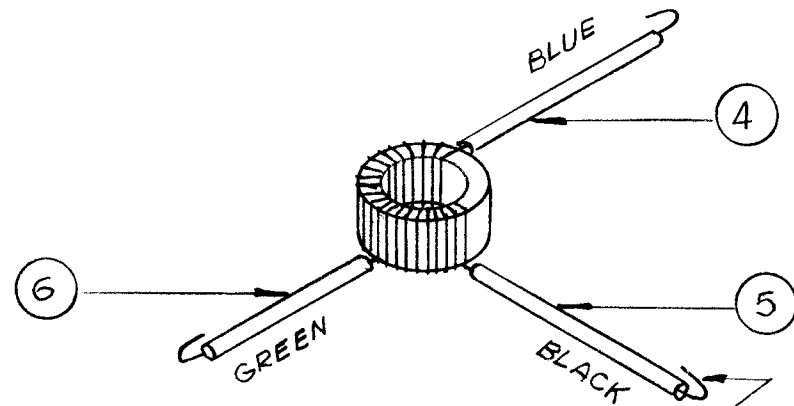
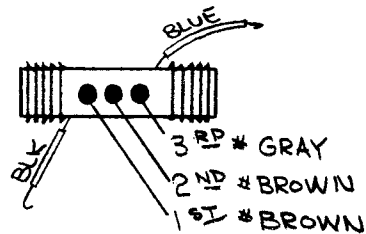


TAP AT 90°



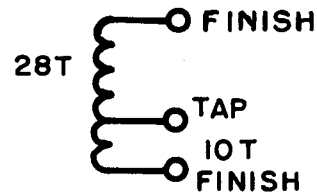
BEND BACK EXPOSED END OF LEAD TO HOLD SLEEVING ON.

COLOR CODE



NOTE:  
COLORS DENOTE  
"TZ" NUMBER IN  
RETMA COLOR  
CODE.

NOTES



SCHEMATIC

A-3156

REVISIONS

| SYM | DESCRIPTION | DATE | E.M.N. NO. | DRAFT | CHKD | APPD |
|-----|-------------|------|------------|-------|------|------|
|-----|-------------|------|------------|-------|------|------|

WINDING PROCEDURE

1. WIND 28 TURNS OF ITEM 2 ON ITEM 1, EQUALLY SPACED OVER THE ANGLE SHOWN. TAP AT 10 TURNS (90°).
2. REMOVE OR ADD TURNS TO MEET INDUCTANCE.
3. STAKE LEADS SECURELY WITH ITEM 3 (Q-MAX).
4. BAKE FOR 1/2 HOUR AT 215° F. TO REMOVE MOISTURE.
5. COAT COIL AND CORE WITH ITEM 3 AND BAKE 1/2 HOUR AT 215° F.
6. TEST AS NOTED IN ELECTRICAL SPECIFICATIONS.
7. ADD ITEMS 4, 5 AND 6, AS SHOWN.

ELECTRICAL SPECIFICATIONS

CLAMP COIL INTO Q-METER 1/2 INCH AWAY FROM START AND FINISH LEADS WITH START LEAD TO LOW SIDE OF Q-METER.  
 INDUCTANCE:  
 START-FINISH: .3165 ± .010 uhy  
 START-TAP: .91 ± .05 uhy (7.9mc)  
 MINIMUM Q = 200 AT 7.9 MC (START-FINISH)  
 C DISTRIBUTED = .85 pf

| REQ'D. | ITEM   | PART NUMBER | DESCRIPTION              | SYMBOL |
|--------|--------|-------------|--------------------------|--------|
| X      | 7      | BS-100      | SOLDER, SOFT             |        |
|        | 1 1/4" | 6           | PX-104-4-.034            | GREEN  |
|        | 1 1/4" | 5           | PX-104-1-.022            | BLACK  |
|        | 1 1/4" | 4           | PX-104-6-.022            | BLUE   |
| X      | 3      | GL-102      | Q-MAX                    |        |
| X      | 2      | WI-122-28   | MAGNET WIRE, SINGLE, #28 |        |
|        | 1      | CI-127-1    | CORE, TOROID             |        |

KOHN

LIST OF MATERIAL

|   |  |  |              |                |  |
|---|--|--|--------------|----------------|--|
| MATERIAL  |  | THE TECHNICAL MATERIEL CORP.<br>MAMARONECK, NEW YORK         |              |                |  |
| FINISH  |  | TITLE<br>TZ-118 ASSEMBLY<br>(TRANSFORMER, R.F., IPA, 4-8 MC) |              |                |  |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES AND INCLUDE<br>CHEMICALLY APPLIED OR PLATED FINISHES |  | DRAWN G.D.L.   | DATE 5-17-63 | FINAL APPROVAL |  |
|   |  | CHECKED J.W.   | DATE 5-28-63 | BP             |  |
|   |  | ELECT. DES. R.KOHN   | DATE 5-29-63 | A-3156         |  |
|   |  | MECH. DES.   | DATE         | SHEET          |  |
| DECIMALS<br>.X ± .05<br>.XX ± .01<br>.XXX ± .005  |  | FRACTIONS<br>± 1/64<br>ANGLES<br>± 0° 30'                    |              | REV. LTR.      |  |

|   |               |            |
|---|---------------|------------|
| 1   | TTR-10        | AX-410     |
| Q'TY./UNIT  | MODEL USED ON | ASS'Y. NO. |
| SCALE<br>NONE   | CODE<br>A     |            |
| 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. |               |            |