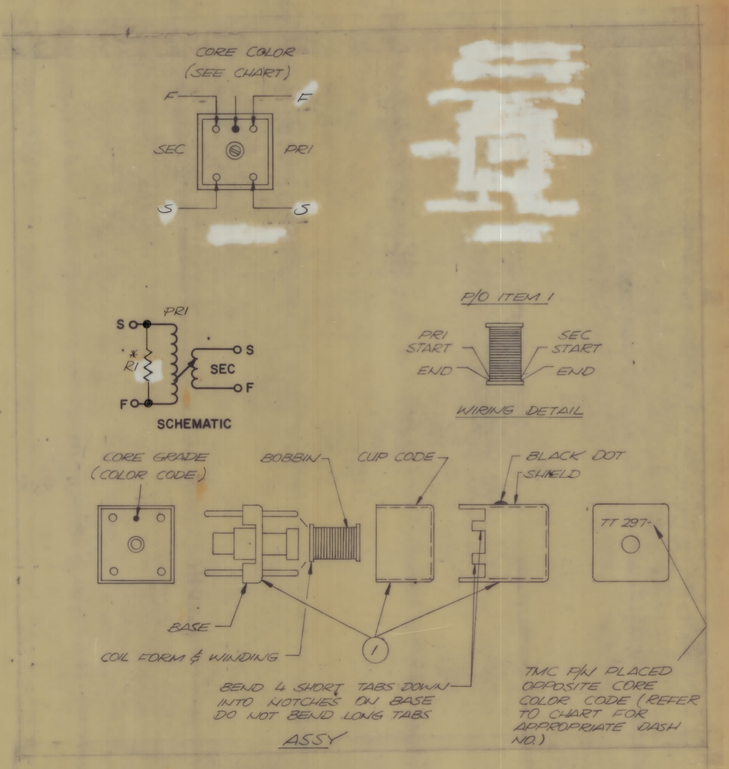
| REVISIONS | | | | | | | |
|---|---|---|---|---|---|---|---|
| E.M.N.NO | DRAFT | CHKD | ZONE | LTR | DESCRIPTION | DATE | APPROVED |
| | Q | | | Ø | ORIGINAL RELEASE FOR PRODUCTION | 3-23-73 | |

| | | | | | | | RANGE | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | FROM | | | TO | | | | |
| TMC PART NO. | PRIMARY WINDING | TURNS | SECONDARY WINDING | TURNS | FIG | CORE COLOR | CORE CII36- | Luh | FREQ MC | CAPuuf | MIN Q | *FREQ MC | CAPuuf | MIN Q |
| TT306-1 | WI104-743SCQS | 66 | WI104-743SCQS | 11 | | RED | 2 | 56 | 1.6 | 180 | 50 | 3.0 | 51 | 50 |
| -2 | WI104-743SCQS | 66 | WI104-743SCQS | 33 | | RED | 2 | 56 | 1.6 | 180 | 50 | 3.0 | 51 | 50 |
| -3 | WI104-743SCQS | 42 | WI104-743SCQS | 7 | | RED | 2 | 18 | 3.0 | 150 | 50 | 6.0 | 39 | 50 |
| -4 | WI104-743SCQS | 42 | WI104-743SCQS | 21 | | RED | 2 | 18 | 3.0 | 150 | 50 | 6.0 | 39 | 50 |
| -5 | WI104-743SCQS | 30 | WI104-743SCQS | 5 | | RED | 2 | 11 | 6.0 | 68 | 50 | 8.0 | 39 | 50 |
| -6 | WI104-743SCQS | 30 | WI104-743SCQS | 15 | | RED | 2 | 11 | 6.0 | 68 | 50 | 8.0 | 39 | 50 |
| -7 | WI104-743SCQS | 24 | WI104-743SCQS | 4 | | RED | 2 | 6.6 | 8.0 | 62 | 50 | 12.0 | 30 | 50 |
| -8 | WI104-743SCQS | 24 | WI104-743SCQS | 12 | | RED | 2 | 6.6 | 8.0 | 62 | 50 | 12.0 | 30 | 50 |
| -9 | WI104-743SCQS | 20 | WI104-743SCQS | 3 | | YELLOW | 4 | 4.5 | 12.0 | 47 | 50 | 18.0 | 18 | 50 |
| -10 | WI104-743SCQS | 20 | WI104-743SCQS | 10 | | YELLOW | 4 | 4.5 | 12.0 | 47 | 50 | 18.0 | 18 | 50 |
| -11 | WI141-32-5 | 15 | WI141-32-9 | 3 | | YELLOW | 4 | 2.5 | 18.0 | 27 | 50 | 26.0 | 15 | 50 |
| -12 | WI141-32-5 | 15 | WI141-32-9 | 7.5 | | YELLOW | 4 | 2.5 | 18.0 | 27 | 50 | 26.0 | 15 | 50 |
| -13 | WI104-743SCQS | 130 | WI104-743SCQS | 65 | | RED | 2 | 150 | 455KC | 820 | 50 | 455KC | 820 | 50 |
| -14 | WI141-32-5 | 10 | ——— | —— | | YELLOW | 4 | .82 | 22 | 18 | 50 | 30 | 5 | 50 |
| | | | | | | | | | | | | | | |




FABRICATION PROCEDURE

1. WIND PRIMARY (L1) ON BOBBIN (SEE CHART) AND SECURE WITH GL103 (ITEM 4).
2. WIND SECONDARY (DISTRIBUTED UNIFORMLY) (L2) ON TOP OF PRIMARY (L1) AND SECURE WITH GL 103 (ITEM 4)
   CAUTION: a. L2 WINDING MUST BE WOUND IN THE SAME DIRECTION AS (L1).
   b. LEADS OF (L2) ARE TO BREAKOUT FROM OPPOSITE SIDE OF (L1).
3. BAKE COIL FOR 15 MINUTES AT 150°F. REMOVE FROM OVEN AND COAT WITH GL102 (ITEM 5).
4. PLACE BOBBIN ON CORE BASE AND ROTATE FOR CORRECT POSITIONING. GLUE BOBBIN TO BASE WITH GL129 (ITEM 6).
5. CONNECT R1 TO PRIMARY WINDING TERMINALS
6. CONNECT LEADS ACCORDING TO SCHEMATIC AND SOLDER.
7. SECURE CUP CORE TO BASE WITH GL129 (ITEM 6) ASSEMBLE AS SHOWN.
8. MARK TMC P/N ON TOP OF CASE AS SHOWN (BLACK GOTHIC).
   NOTE: TMC P/N MUST BE IN ALIGNMENT WITH CORE COLOR CODE (SEE DETAIL).
   PLACE BLACK DOT ON SIDE OF CAN CORRESPONDING TO BASE COLOR CODE.
9. TEST "Q" UNLOADED (SEE CHART).

NOTE: SELECTION OF R1
R1 IS SELECTED SO THAT THE "Q" AS MEASURED AT THE CENTER OF THE FREQUENCY RANGE * IS EQUAL TO 50 WITH THE SLUG FLUSH WITH THE BASE OF THE CORE.

NO RESISTOR IS USED FOR TT 306-13, 1, 2, 3, 4

| | | | | |
|---|---|---|---|---|
| X | 8 | RC076F J | RESISTOR, FXD. COMP. | R1 |
| X | 7 | BS100 | SOLDER, TIN ALLOY | |
| X | 6 | GL129 | ADHESIVE, EASTMAN 910 | |
| X | 5 | GL102 | ADHESIVE, Q-MAX | |
| X | 4 | GL103 | ADHESIVE, N-CEL | |
| X | 3 | SEE CHART | WIRE, ELECT | |
| X | 2 | SEE CHART | WIRE, ELECT | |
| X | 1 | CT136 (SEE CHART) | CORE, ADJUSTABLE, TUNING | |
| QTY. REQ. | ITEM | PART NO. | DESCRIPTION | SYMBOL |

O. POSE

LIST OF MATERIAL

| | | | |
|---|---|---|---|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES | FINAL APPROVAL | | DATE 3/16/73 |
| | MECH. DES. | | DATE |
| TOLERANCES ON DECIMALS .X ± .05, .XX ± .01, .XXX ± .005 FRACTIONS ± 1/64 ANGLES ± 0° 30' | ELECT. DES. | | DATE 3/14/73 |
| | CHECKED | | DATE |
| | DRAWN | GE | DATE 8/20/71 |
| MATERIAL | | | |
| FINISH | | | |

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

TRANSFORMER, RF ADJUSTABLE

| SIZE | CODE IDENT NO. | DWG NO. | ISSUE |
|---|---|---|---|
| D | 82679 | TT 306 | P |

SCALE —

SHEET OF

| QTY / UNIT | MODEL USED ON | ASS'Y NO. |
|---|---|---|
| | TM 125 | |

APPLICATION

CODE 5401-451

NOTICE TO PERSONS RECEIVING THIS DRAWING
THE TECHNICAL MATERIEL CORPORATION claims proprietary right in the material disclosed hereon. This drawing is issued in confidence for engineering information only and may not be reproduced or used to manufacture anything shown hereon without permission from THE TECHNICAL MATERIEL CORPORATION to the user. This drawing is loaned for mutual assistance and is subject to recall at any time.