WIRING DATA

TMC PT/NO	PRIMARY (L1) ITEM 2	PRIMARY (L1) TURNS	SECONDARY (L2) ITEM 3	SECONDARY (L2) TURNS	CORE ITEM 1	CORE COLOR	TERM FIG NO
TT285-1	WI122-26(SP)	15	WI141-32-9(SP)	2	CI136-6	YELLOW	1
-2		13	WI141-32-9(SP)	2			
-3		15	WI141-32-5 HVY NYLESE	3			
-4		15	WI141-32-9(SP)	5			
-5		11	WI141-32-9(SP)	3			
-6		13	WI141-32-5 HVY NYLESE	4			1
-7	WI122-26(SP)	11	WI141-32-5 HVY NYLESE	1 3/4	CI136-6	YELLOW	2
-8	WI141-32-5 HVY NYLESE	3/4	WI122-26(SP)	3	CI136-7	GREEN	3
-9	WI123-31-(SP)	22	WI123-31-(SP)	3	CI136-5	RED	1
-10	WI122-26(SP)	8	WI122-26(SP)	1	CI136-6	YELLOW	
-11	WI104-343SNQS	100	WI104-343SNQS	50	CI136-5	RED	
-12		100		10	CI136-5	RED	
-13		58		10	CI136-6	YELLOW	
-14		58		5	CI136-6	YELLOW	
-15		100		25	CI136-5	RED	
TT285-16	WI104-343SNQS	33	WI104-343SNQS	11	CI136-6	YELLOW	1
TT285-17	WI-122-26(SP)	15	WI-141-32-5 HVY NYLESE	13	CI136-6	YELLOW	1
TT285-18	WI-122-26(SP)	11	WI-141-32-5	1	CI136-6	YELLOW	1
TT285-19	WI104-343 SNQS	87	WI104-343SNQS	15	CI136-6	YELLOW	1
TT285-20	WI104-343 SNQS	87	WI104-343SNQS	7	CI136-6	YELLOW	1
TT285-21	WI104-541SNQS	60	WI104-541SNQS	20	CI136-5	RED	1
TT285-22	WI104-343SNQS	37	WI104-343 SNQS	6	CI136-6	YELLOW	1
TT285-23	WI104-343SNQS	37	WI104-343 SNQS	3	CI136-6	YELLOW	1
TT285-24	WI23-26(SP)	2 1/4			CI136-6		1
TT285-25	WI22-26(SP)	11					1
TT285-26	WI22-26(SP)	3 3/4					3
TT285-27	WI22-26(SP)	2 3/4			CI136-6	YELLOW	3
TT285-28	WI22-26(SP)	2 3/4		1	CI136-6	YELLOW	3
TT285-29	WI22-26(SP)	2 1/2			CI136-6	YELLOW	3

SEE NOTE 10

TEST DATA

OPER FREQ (MHZ)	TEST FREQUENCY L.NOM (MHZ)	TEST FREQUENCY L.NOM L.MAX (MHZ)	TEST FREQUENCY L.MIN (MHZ)	'L' MAX µH APPROX	'L' MIN µH APPROX	'L' NOM µH	'Q' MIN	'Q' LOADED APPROX ± 20% − 10%	SEC LOAD RES (OHMS)
8	7.9	7.9	25	2.1	1.0	1.83	160	30	100
9.05				1.6	0.6	1.39	48	25	100
10.5				2.1	0.95	1.72	60	26	220
10.5				2.1	0.95	1.72	50	14	220
9.05				1.25	0.55	1.138	48	16	100
9.05				1.6	0.7	1.39	48	29	560
10.5	7.9	7.9		1.25	0.55	1.08	48	42	330
73.5	2.5	25	25	0.124	0.1	0.12	80	57	82
6	7.9	7.9	7.9	5.9	1.8	2.49	60		
30	25	25	25	0.85	0.35	0.48	90		
.79	.79	.79	2.5	123	39	100.0	30	12	1.8K
.79	.79	.79		121	40	100.0	40		
2.5	2.5	2.5		38	13	33.0	60	47	1.2K
2.5	2.5	2.5		36	12	33.00	60	51	47
.79	.79	.79	2.5	121	39	100.0	35	24	5.6K
2.5	2.5	2.5	7.9	11.5	3.8	11.0	40	48	1.8K
8.0	7.9	7.9	25	2.3	0.8	1.79	55	11	1K
10.5	7.9	7.9	25	1.25	0.55	1.00	48		
1.25	2.5	2.5	2.5	95.0	29.0	63.5	65	31	1K
1.25	2.5	2.5	2.5	95.0	29.0	63.5	65	56	1K
.250	.250	.250	.250	75.0	25.0	42.0	30	NO TEST	NO TEST
2.75	2.5	2.5	7.9	14	6	10	50	40 OR+	1.2K
2.75	2.5	2.5	7.9	14	6	10	50	27	47

1- WIND PRIMARY (L1) ON BOBBIN (SEE CHART) AND SECURE WITH GL103 (ITEM 4)
2 - WIND SECONDARY (L2) ON TOP OF PRIMARY (L1) AND SECURE WITH GL103 (ITEM 4)
CAUTION: (A) L2 WINDING MUST BE WOUND IN THE SAME DIRECTION AS (L1) - (B) LEAD OF L2
(B) LEADS OF (L2) ARE TO BREAK OUT FROM OPPOSITE SIDE OF (L1)
3 - BAKE COIL FOR 15 MINUTES AT 150°F. REMOVE FROM OVEN AND COAT WITH Q102 (ITEM 5)
4- PLACE BOBBIN ON CORE BASE AND ROTATE FOR CORRECT POSITIONING - GLUE BOBBIN TO BASE WITH GL129 (ITEM 6)
5- CONNECT LEADS ACCORDING TO SCHEMATIC AND SOLDER.
6 - SECURE CUP CORE TO BASE WITH CL129 (ITEM 6), ASSEMBLE AS SHOWN.
CAUTION: GL129 (ITEM 6) MUST NOT TOUCH THE BOBBIN, WINDING CORE.
7- MARK TMC P/NO. ON TOP OF CASE AS SHOWN. (BLACK GOTHIC)
NOTE: TMC P/NO MUST BE IN ALIGNMENT WITH CORE COLOR CODE. (SEE DETAIL).
PLACE BLACK DOT ON SIDE OF CAN CORRISPONDING TO BASE COLOR CODE

8— TEST 'L' MAX AND 'L' MIN. ADJUST CORE FOR 'L' NOM AND TEST 'Q' UNLOADED. (SEE CHART).

9— TEST 'Q' LOADED AT OPERATING FREQUENCY ONLY. (SEE CHART).

10- FOR TT285-28 & TT285-29 NO CUP CODE (TOP) CORE
-24
-29

REVISIONS

ZONE	LTR	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD	APPD
	C	ADDED TT285-21	10-14-68	19073	HS		GT
	D	ADDED TT 285-22 & -23	6-18-70	19887	GE		
	E	ADDED TT285-24, 25, 26 & 27	5-9-84	22062	GDL		
	F	ADDED TT 285-28 & 29 & NOTE 10	5-16-85		GDL		

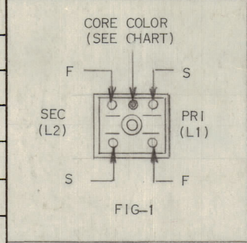


FIG-1

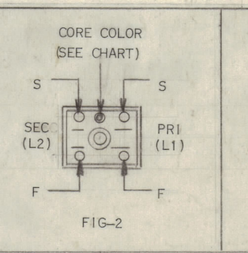


FIG-2

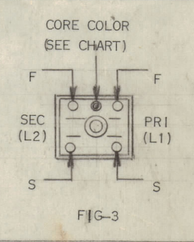


FIG-3

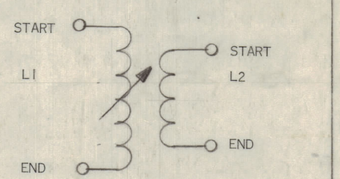
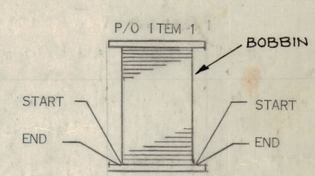
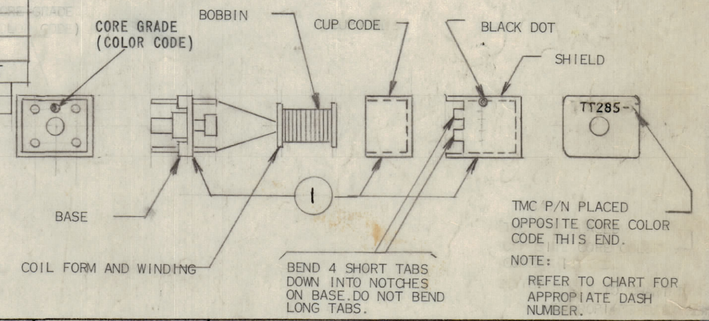


DIAGRAM SCHEMATIC



WIRING DETAIL (COLOR CODE LEADS)



QTY. REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
–	6	GL129	ADHESIVE, EASTMAN 910	
–	5	GL102	ADHESIVE, Q-MAX	
–	4	GL103	ADHESIVE, N-CEL	
–	3	SEE CHART	WIRE, ELECT	
–	2	SEE CHART	WIRE, ELECT	
–	1	CI136-SEE CHART	CORE, ADJUSTABLE, TUNING	

O. POSE

LIST OF MATERIAL

QTY / UNIT	MODEL USED ON	ASS'Y NO.
	VOX-7	
	LFE-1	
	MMX-()	

APPLICATION

S401-451 | CODE A

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

TOLERANCES ON

DECIMALS: .X ± .05, .XX ± .01, .XXX ± .005 — FRACTIONS ± 1/64 — ANGLES ± 0° 30'

MATERIAL —

FINISH —

FINAL APPROVAL		DATE 9/13/67
MECH. DES.		DATE
ELECT. DES.	MAB	DATE 9-12-67
CHECKED		DATE
DRAWN	MW	DATE 12-12-66
M/E		9/10/67

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

TRANSFORMER, TUNED, RF

SIZE	CODE IDENT. NO.	DWG NO.	ISSUE
C	82679	TT-285	F

SCALE — SHEET 1 OF 1

FCI-10-170 (10-66)