

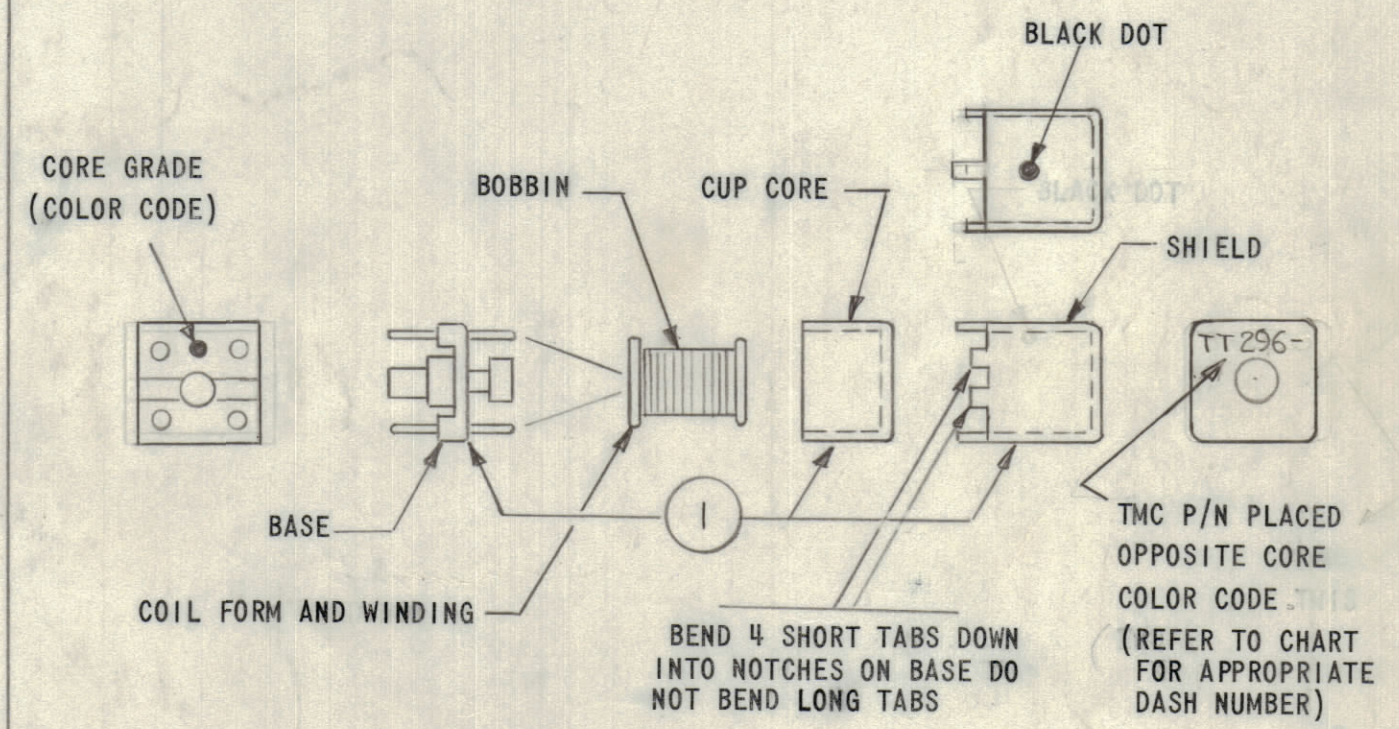
REVISIONS						
ZONE	LTR	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD APPD
	X	EXPERIMENTAL RELEASE	5/6/68			C.V.
	Ø	ORIGINAL RELEASE FOR PROD.	7-22-68			C.V.

TMC P/N	WIRING DATA				CORE ITEM 1	CORE COLOR	TERM FIG NO	OPER FREQ MHZ	TEST FREQUENCY			INDUCTANCE			Q MIN	Q LOADED APPROX	SEC LOAD RESISTOR OHMS
	PRIMARY L1		SECONDARY L2						L MAX MHZ	L MIN MHZ	L NOM MHZ	MAX uH APPROX	MIN uH APPROX	NOM uH			
	ITEM 2	TURNS	ITEM 3	TURNS													
TT296-1	W1104-541SCQS	31	W1104-541SCQS	10	C1136-5	RED	1	1.666	2.5	7.9	7.9	12.7	3.9	9.0	80	25	390
TT296-2	W1104-541SCQS	40	W1104-541SCQS	8	C1136-5	RED	1	1.417	2.5	7.9	2.5	19.5	6.5	15.0	85	42	560
TT296-3	W1104-541SCQS	42	W1104-541SCQS	5	C1136-5	RED	1	1.417	2.5	7.9	2.5	22.0	7.0	16.0	87	41	150
TT296-4	W1104-541SCQS	33	W1104-541SCQS	6	C1136-5	RED	1	1.666	2.5	7.9	2.5	14.0	4.5	10.0	75	20	150
TT296-5	W1104-541SCQS	33	W1104-541SCQS	8	C1136-5	RED	1	1.666	2.5	7.9	2.5	14.0	4.5	10.0	75	20	220
TT296-6	W1104-541SCQS	20	W1104-541SCQS	4	C1136-6	YELLOW	1	5.0	7.9	7.9	7.9	4.25	1.53	3.4	85	34	220
TT296-7	W1104-541SCQS	59	W1104-541SCQS	59	C1136-5	RED	1	2.5	2.5	2.5	2.5	52.0	16.2	37.5	40	19	22K

FABRICATION PROCEDURE

- WIND PRIMARY (L1) ON BOBBIN (SEE CHART) AND SECURE WITH GL103 (ITEM 4).
- 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. LEADS OF (L2) ARE TO BREAKOUT FROM OPPOSITE SIDE L1.
- BAKE COIL FOR 15 MINUTES AT 150°F. REMOVE FROM OVEN AND COAT WITH GL102 (ITEM 5).
- PLACE BOBBIN ON CORE BASE AND ROTATE FOR CORRECT POSITIONING. GLUE BOBBIN TO BASE WITH GL129 (ITEM 6).
- CONNECT LEADS ACCORDING TO SCHEMATIC AND SOLDER.
- SECURE CUP CORE TO BASE W/GL129 (ITEM 6). ASSEMBLE AS SHOWN. CAUTION: GL129 (ITEM 6) MUST NOT TOUCH THE BOBBIN, WINDING OR CORE.
- 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.
- TEST "L" MAX AND "L" MIN. ADJUST CORE FOR "L" NOM AND TEST "Q" UNLOADED (SEE CHART).
- TEST "Q" LOADED AT OPERATING FREQUENCY ONLY (SEE CHART).

NOTE:  
FOR ASSEMBLY DRAWING SEE TT287.



QTY. REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
	7	BS100	SOLDER, TIN ALLOY	
	6	GL129	ADHESIVE, EASTMAN 910	
	5	GL102	ADHESIVE, Q MAX	
	4	GL103	ADHESIVE, N-CEL	
	3	SEE CHART	WIRE, ELECTRIC	
	2	SEE CHART	WIRE, ELECTRIC	
	1	C1136-SEE CHART	CORE, ADJUSTABLE, TUNING	

LIST OF MATERIAL			
FINAL APPROVAL		DATE	
MECH. DES.		DATE	
ELECT. DES.		DATE	
CHECKED		DATE	
DRAWN		DATE	
<b>THE TECHNICAL MATERIEL CORP.</b> MAMARONECK, NEW YORK			
TRANSFORMER, RF TUNED			
SIZE	CODE IDENT.NO.	DWG NO.	ISSUE
C	82679	TT 296	Ø
SCALE		SHEET OF	

SME-6		
QTY / UNIT	MODEL USED ON	ASS'Y NO.
APPLICATION		
CODE	S401-451	
Δ		
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