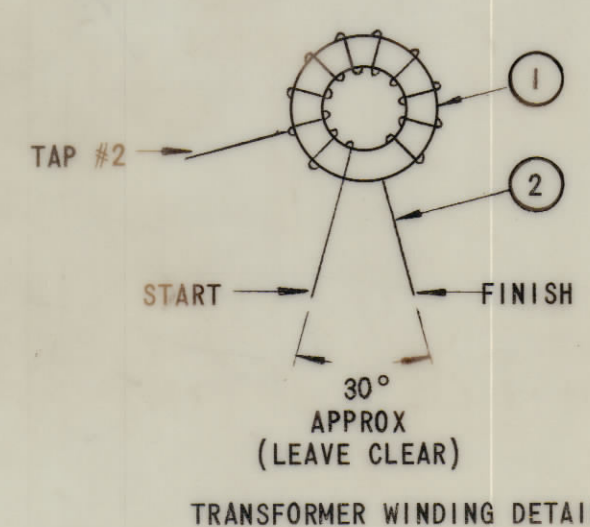


		REVISIONS					
ZONE	LTR	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD	APPD
	B	ORIGINAL RELEASE FOR PROD.	11/15/68	19139	PG		
	A	TZ226-6 ITEM 5 WAS CL272-270J	1/17/69	19139	C.V.		
	B	CHART REVISED	9/19/68	15516	C.V.		
	C	TZ226-9A+10A ADDED	9/19/68	20224	C.V.		
	D	ADDED -11A TO -11F	11/14/68	20470	GE		

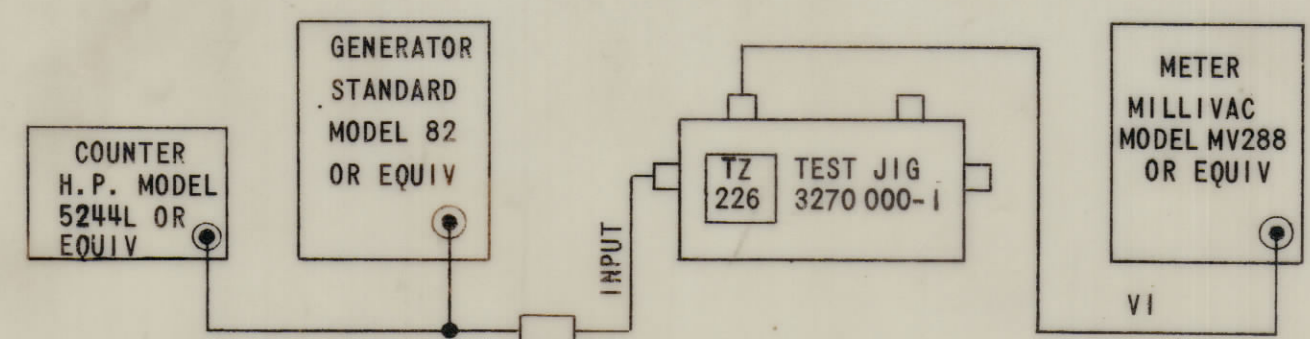
TMC P/N	WINDING DATA				MATERIAL APPLICABLE						PRELIMINARY ELECTRICAL SPECIFICATIONS				FINAL ELECTRICAL SPECIFICATIONS							
	TURNS REQD	TAP #1 LOOP NO	TAP #2 LOOP NO	SPACING	ITEM 1 CORE	ITEM 2 WIRE	ITEM 3 CAPACITOR	ITEM 4 RESISTOR	ITEM 5 COIL	ITEM 6 RESISTOR	INDUCTANCE				-3 dB POINTS							
											UNLOADED Q	RESONATING CAPACITOR	INPUT FREQ Mc ±5%	LOW FREQ Mc ±5%	HIGH FREQ Mc ±5%	OUTPUT m VOLTS RMS ±10 dB						
TZ226-1A	204		34	CLOSE	CI127-2	WI141-40-9	CM15C470J03	RC07GF182J	CL275-102J		3	114.9	± 3.45	95	±10	2.0	APPROX 50pF	1.494	1.468	1.518	3.0	230
-2A	149		25			WI141-38-9		RC07GF222J	CL275-821J		3	64.6	± 1.94	130		2.8		1.983	1.930	2.021	1.5	220
-3A	109		18			WI141-36-9		RC07GF152J	CL275-471J		3	35.1	± 1.05	142		3.8		2.704	2.671	2.729	3.0	270
-4A	82		14	CLOSE		WI141-34-9		RC07GF332J	CL275-331J	RC07GF682J	3	18.8	± 0.564	150		5.2		3.686	3.661	3.710	1.9	100
-5A	59		10	EVENLY		WI141-32-9		RC07GF392J	CL275-221J	RC07GF472J	3	10.3	± 0.309	170		7.0		5.033	5.004	5.060	3.0	100
-6A	45		7			WI141-30-9		RC07GF222J	CL275-270J	RC07GF102J	3	5.85	± 0.175	184		9.3		6.653	6.623	6.685	7.0	200
-7A	33		6			WI141-30-9		RC07GF121J			3	3.24	± 0.097	182		12.5		9.035	9.000	9.066	2.6	100
-8A	23		3	EVENLY	CI127-2	WI141-28-9	CM15C470J03	RC07GF820J			4	1.82	± 0.0546	183	±10	16.7	APPROX 50pF	11.815	11.775	11.848	3.0	42
-9A	17		3	EVENLY	CI127-2	WI141-14-9	CM15C470J03	RC07GF820J			4	1.00	± 0.030	176	±10	22.5	APPROX 50pF	16.686	16.349	16.984	3.0	13
-10A	13		2	EVENLY	CI127-2	WI141-22-9	CM15C470J03	RC07GF820J			4	.563	± 0.0169	136	+10	30	APPROX 50pF	21.605	21.192	21.900	3.0	6.5
-1B	SAME AS 1A						CM15C330J03					SAME AS 1A				SAME AS 1A						
-2B	SAME AS 2A											SAME AS 2A				SAME AS 2A						
-3B	SAME AS 3A											SAME AS 3A				SAME AS 3A						
-4B	SAME AS 4A											SAME AS 4A				SAME AS 4A						
-5B	SAME AS 5A											SAME AS 5A				SAME AS 5A						
-6B	SAME AS 6A											SAME AS 6A				SAME AS 6A						
-7B	SAME AS 7A											SAME AS 7A				SAME AS 7A						
-8B	SAME AS 8A											SAME AS 8A				SAME AS 8A						
-9B	SAME AS 9A											SAME AS 9A				SAME AS 9A						
-10B	SAME AS 10A						CM15C 330 J03					SAME AS 10A				SAME AS 10A						
-11A	345		57	CLOSE	CI127-2	WI104-343 SCQS	CM15C 431 G03		CL 275 - 322		3	365	± 2%	70	± 10%	475KHZ	405 KHZ	395 KHZ	415 KHZ			
-11B							391										420	410	430			
-11C							361										438	425	450			
-11D							321										460	445	475			
-11E							271										493	470	515			
-11F	345		57	CLOSE	CI127-2	WI104-343 SCQS	CM15C 241 G03		CL 275 - 322		3	365	± 2%	70	± 10%	475KHZ	533 KHZ	510 KHZ	555 KHZ			

PROCEDURE (1) WINDING

- WIND REQUIRED NUMBER OF TURNS AS SHOWN, CLOSE OR EVENLY SPACED APPROXIMATELY 330° AROUND CORE.
- TAP AS REQUIRED.
- ADD OR SUBTRACT TURNS TO MEET INDUCTANCE.
- SPREAD TURNS OR PUSH TOGETHER TO MEET INDUCTANCE.
- SECURE WINDING AND LEADS WITH ITEM 7.
- BAKE FOR 1/2 HOUR AT 180°F.
- COAT CORE AND WINDING WITH ITEM 7 AND BAKE FOR 1/2 HOUR AT 150°F.
- LEADS TO BE 1-1/4" LONG, STRIP AND TIN 1".
- TEST L AND Q AS PER PRELIMINARY SPECIFICATIONS USING Q METER FOR -11A THRU -11F

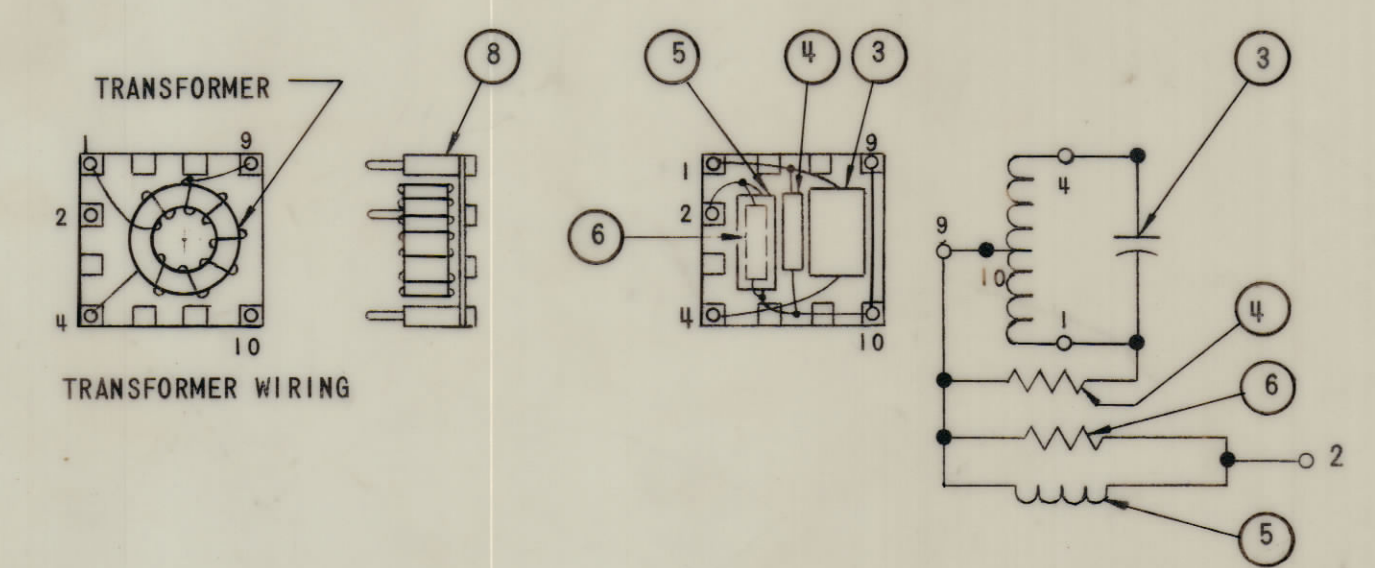


PROCEDURE (4) FINAL TEST



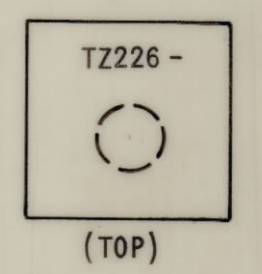
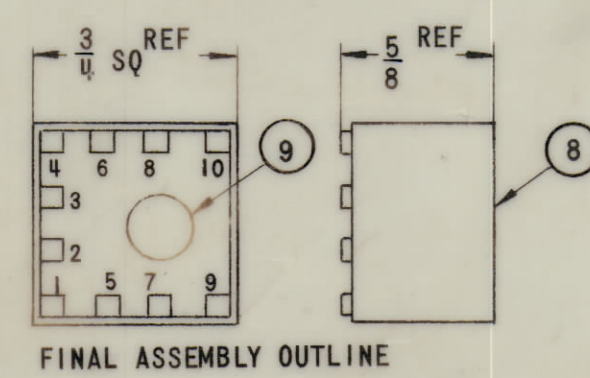
- SET GENERATOR TO INPUT FREQ (SEE CHART) PEAK GEN.
- SET INPUT VOLTS TO (SEE CHART).
- MEASURE 3dB POINTS (SEE CHART)
  - LOW FREQ (SEE CHART) ±5%
  - HIGH FREQ (SEE CHART) ±5%

PROCEDURE (2) ASSEMBLY



PROCEDURE (3) FINAL ASSEMBLY

- ASSEMBLE HEADER AND PARTS AND WIRE AS PER APPLICABLE DETAIL.
- ASSEMBLE SHELL WITH HEADER ASSEMBLY.
- POTTING, ITEM 9, AS PER SPEC S10149.
- STAMP TMC P/N AS SHOWN 3/32 HIGH BLACK GOTHIC.



QTY. REQ	ITEM	PART NO.	DESCRIPTION	SYMBOL
X	10	BS100	SOLDER, TIN ALLOY	
X	9	GL10005-3110-H	ENCAPSULANT	
I	8	BP10002-1	HEADER WITH SHELL, (MODU-CON)	
X	7	GL102	Q MAX	
I	6	SEE CHART	RESISTOR	
I	5		COIL	
I	4		RESISTOR	
I	3		CAPACITOR	
X	2		WIRE	
I	1	SEE CHART	CORE	

FINAL APPROVAL		DATE	THE TECHNICAL MATERIEL CORP.	
MECH. DES		DATE	MAMARONECK, NEW YORK	
ELECT. DES		DATE	TRANSFORMER, NETWORK, RF	
CHECKED		DATE	PLUG-IN	
DRAWN		DATE		
MATERIAL		DATE	SIZE	CODE IDENT. NO. DWG NO.
FINISH		DATE	D 82679	TZ 226
		DATE	SCALE	SHEET OF

QTY / UNIT	SME-6 MFE-1	A4647
	MODEL USED ON	ASS'Y NO.
APPLICATION		
CODE		
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