

VOLTAGE CHART

		D.C. VOLTAGE														R.F. VOLTAGE														
M/J PIN	1		2		3		4		5		6		7		1		2		3		4		5		6		7			
	R	T	R	T	R	T	R	T	R	T	R	T	R	T	R	T	R	T	R	T	R	T	R	T	R	T	R	T		
1	E	E	E	E	E	E	E	E	E	E	E	E	0	0	E	E	E	E	E	E	E	E	E	E	E	E	E	3180KHz 85dB	—	
2	E	E	E	E	0	0	0	0	0	0	-70	-55	E	E	E	E	E	E	—	—	—	—	—	—	—	—	—	E	E	
3	6.0	6.0	0	0	13.0	12.5	0	0	0.7	0.7	-18	0	E	E	* 3	* 3	3180KHz 85dB	—	—	—	—	—	—	—	—	—	—	E	E	
4	0.5	0.5	E	E	0	0	0	0	8.5	8.5	-20	-3.5	0	0	* 2	* 2	E	E	—	—	—	—	—	—	—	—	—	3180KHz 85dB	—	
5	5.5	5.5	0	0	0	0	0	0	6.0	6.0	-150	-140	0	13.0	—	—	—	0.03	0.08	0	—	—	—	—	—	—	—	—	—	
6	6.0	6.0	E	E	0	0	E	E	0	0	170	170	0	0	—	—	E	E	—	—	E	E	0.8	0.8	—	—	—	—	—	
7	E	E	13.0	12.5	E	E	0	0	E	E	2.7	2.7	13.5	13.5	E	E	—	—	E	E	—	—	E	E	—	—	—	—	—	
8	0	0	E	E	0	11.5	0	0	0	0	0.6	2.7	1.0	1.0	14MHz 56dB	—	E	E	—	—	—	—	—	—	—	—	—	—	—	
9	8.0	13.0	12.0	0	9.0	9.0	9.0	9.0	0	0	12.5	0	E	E	—	—	—	—	—	—	—	—	—	—	—	—	E	E		
10	0	11.5	E	E	6.5	0.35	1.5	1.5	13.0	12.5	0	11.5	E	E	—	—	E	E	—	0.01	—	—	—	—	—	—	E	E		
11	13.0	12.5	0	0	13.0	12.5	E	E	0	0	2.5	2.5	—	—	—	2	0.08	0.08	—	—	E	E	—	—	—	—	—	—	—	
12	12.5	0	E	E	0.7	0.7	9.0	9.0	6.6	0.3	13.5	13.0	—	—	—	—	E	E	—	—	—	—	—	0.04	—	—	—	—	—	
13	12.0	0	0	11.5	8.0	13.0	0	0	12.5	0	6.0	6.0	—	—	—	0.36	—	—	—	—	—	—	—	—	—	—	—	—	—	
14	13.0	12.5	E	E	E	E	6.0	6.0	12.5	0.3	13.0	12.5	—	—	—	—	—	E	E	E	—	—	—	—	—	—	—	—	—	
15	0	0	13.0	12.5	0	0	13.0	12.5	—	—	0	0	—	—	—	—	5720KHz 77dB	0.3	3180KHz 94dB	0.14	—	—	—	—	—	—	—	—	—	—
16	0	11.5	13.0	12.5	0	0	13.0	12.5	—	—	0	0	—	—	—	—	—	0.36	—	—	—	—	—	—	—	—	—	—	—	
17	13.0	12.5	E	E	0	0	0	0	—	—	0	0	—	—	5720KHz 77dB	0.3	E	E	—	0.03	—	—	—	—	—	—	—	—	—	
18	E	E	E	E	0	0	E	E	—	—	E	E	—	—	E	E	E	E	—	—	E	E	—	—	E	E	—	—	—	
19	—	—	—	—	13.0	12.5	E	E	—	—	—	—	—	—	—	—	—	—	—	—	E	E	—	—	—	—	—	—	—	
20	—	—	—	—	12.5	0	E	E	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
21	—	—	—	—	6.0	6.0	E	E	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
22	—	—	—	—	E	E	0	0	—	—	—	—	—	—	—	—	—	—	E	E	—	—	—	—	—	—	—	—	—	
VALUES ARE IN VOLTS D.C. R:RECEIVE, T:TRANSMIT															MODE:USB, BAND:20M, R:RECEIVE, T: TRANSMIT VALUES WITHOUT ANY UNIT ARE IN VOLTS R.M.S. VALUES WITH DB ARE SIGNAL GENERATOR OUTPUT LEVELS TO PRODUCE S-9. VALUES GIVEN UNDER THE COLUMN T ARE SIGNAL LEVELS TO PRODUCE 100W OUTPUT POWER MODULATED BY 1KHz MIC INPUT.															

RESISTANCE CHART

MJ PINNO. NO.	1	2	3	4	5	6	7
1	E	E	E	E	E	E	∞
2	E	E	15 0	30K	0	10K	E
3	300	0	10	0	∞	4K	E
4	3K	E	∞	※	10 K	10K	0
5	300	∞	0	∞	200	30K	0
6	200	E	1K	E	5	50K	0
7	E	10	E	0	E	3K	10
8	0	E	0	1K	5K	6K	100K
9	2.5K	12 0	10K	10 K	1K	120	E
10	※	E	3K	50K	10	0	E
11	100	∞	10	E	1M	3K	—
12	120	E	1K	50K	3K	10	—
13	120	0	3K	∞	1.2K	200	—
14	10	E	E	200	700	10	—
15	0	10 0	∞	10	—	50K	—
16	0	10 0	∞	10	—	0	—
17	100	E	∞	※	—	∞	—
18	E	E	∞	∞	—	E	—
19	—	—	10	※	—	—	—
20	—	—	120	E	—	—	—
21	—	—	200	E	—	—	—
22	—	—	E	※	—	—	—

VALUES ARE IN OHMS.

Order Instruction:

Parts number is independent for each unit, except T-transformers and T-inductors, therefore it is requested to specify parts number together with unit classification as following example.

No. 1 RF Unit R1 100K ohm $\frac{1}{4}$ W ※ VALUE IS NOMINAL

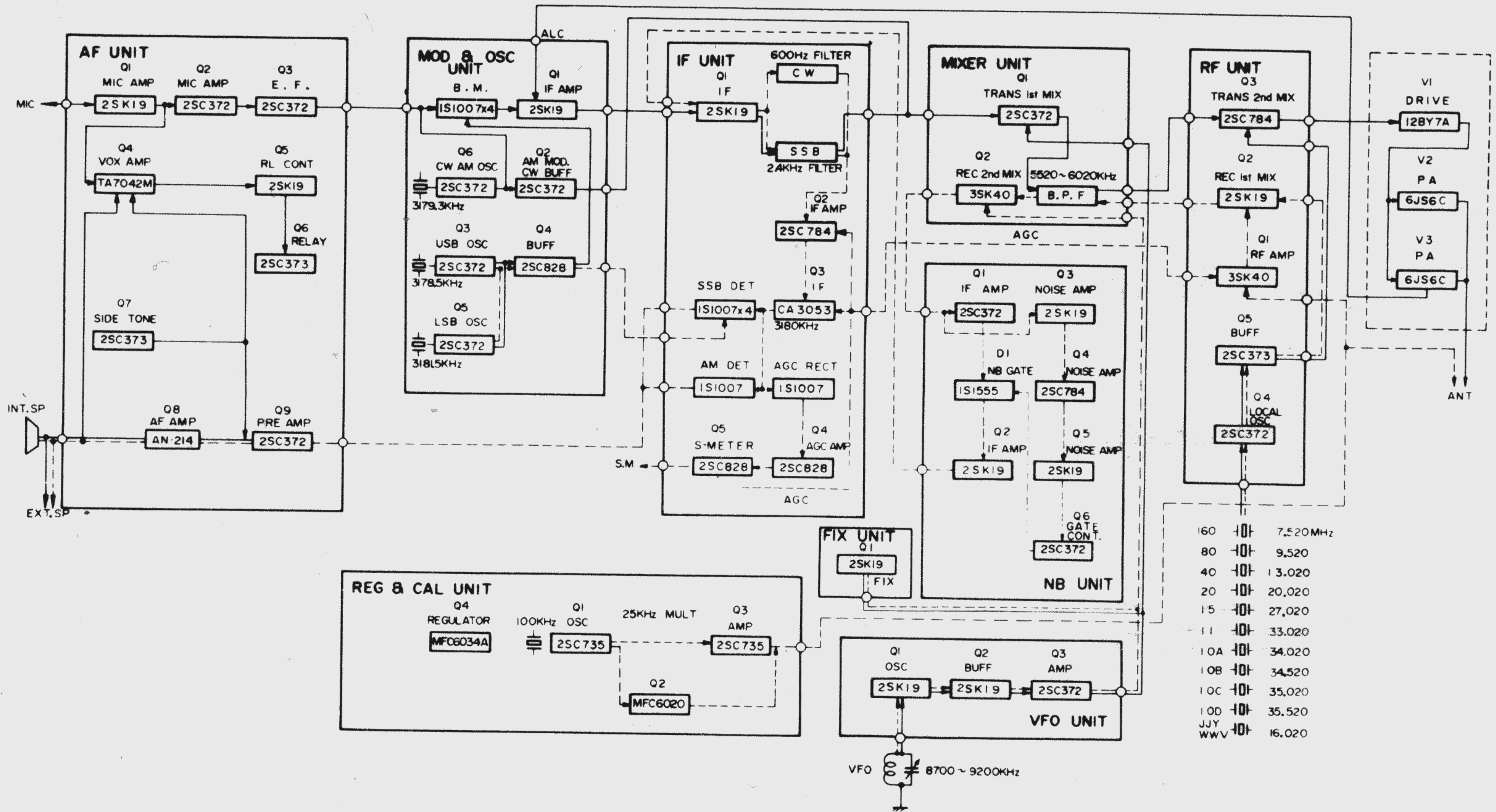
RF UNIT				C-CAPACITOR			
PRINTED CIRCUIT BOARD PB-1181(A~Z)				DIPPED MICA			
Q-FET & TRANSISTOR				6, 19	50WV	20PF $\pm 10\%$	
4	TR.	2SC372Y		1, 8	50WV	40PF $\pm 10\%$	
5	TR.	2SC373		8	50WV	100PF $\pm 10\%$	
3	TR.	2SC784R		2	50WV	470PF $\pm 10\%$	
2	FET	2SK19GR		CERAMIC DISC			
1	FET	3SK40M		7	50WV	0.001 μ F	+80% -20%
D-DIODE				3~5, 9, 11, 13	50WV	0.01 μ F	+80% -20%
1, 2	Si.	1S1555		17	50WV	0.047 μ F	+80% -20%
R-RESISTOR				CERAMIC FEED THRU			
CARBON FILM				14~16	500WV	0.001 μ F	+100% 0%
22	$\frac{1}{4}$ W	56 $\Omega \pm 10\%$		ELECTROLYTIC			
23	$\frac{1}{4}$ W	100 $\Omega \pm 10\%$		18	16WV	1 μ F	
16, 24	$\frac{1}{4}$ W	220 $\Omega \pm 10\%$		TC-TRIMMER CAPACITOR			
6	$\frac{1}{4}$ W	330 $\Omega \pm 10\%$		CERAMIC			
10, 19	$\frac{1}{4}$ W	470 $\Omega \pm 10\%$		1~3	ECV1ZW50P32	50PF	
11	$\frac{1}{4}$ W	560 $\Omega \pm 10\%$		L-INDUCTOR			
9, 13	$\frac{1}{4}$ W	1 K $\Omega \pm 10\%$		1	BPF-A		
7	$\frac{1}{4}$ W	1.8K $\Omega \pm 10\%$		2	BPF-B		
8	$\frac{1}{4}$ W	2.2K $\Omega \pm 10\%$		3	BPF-C		
17, 20	$\frac{1}{4}$ W	3.3K $\Omega \pm 10\%$		34	RF CHOKE	1.95 μ H	
21	$\frac{1}{4}$ W	8.2K $\Omega \pm 10\%$		4, 8	RF CHOKE	250 μ H	
14, 18	$\frac{1}{4}$ W	15 K $\Omega \pm 10\%$		T-TRANSFORMER & INDUCTOR			
2	$\frac{1}{4}$ W	22 K $\Omega \pm 10\%$		112A	1F TRASFORMER		
4	$\frac{1}{4}$ W	82 K $\Omega \pm 10\%$		113	TRAP COIL		
1, 3, 5, 12	$\frac{1}{4}$ W	100 K $\Omega \pm 10\%$		X-CRYSTAL			
VR-VARIABLE RESISTOR				1	HC-18/U	6360KHz	
1	TR-11R	5K Ω B		IF UNIT			
C-CAPACITOR				PRINTED CIRCUIT BOARD PB-1183(A~Z)			
DIPPED MICA				Q-FET, IC & TRANSISTOR			
17	50WV	6PF ± 0.5 PF		2	TR.	2SC784R	
5	50WV	50PF $\pm 10\%$		4, 5	TR.	2SC828Q	
1, 11	50WV	100PF $\pm 10\%$		3	IC	CA3053	
CERAMIC DISC				1	FET	2SK19GR	
3	50WV	0.001 μ F	+80% -20%	D-DIODE			
2, 4, 7~10, 12~16,	50WV	0.01 μ F	+80% -20%	1~5, 7~11	Ge.	1S1007	
6, 18	50WV	0.047 μ F	+80% -20%	6	Si.	1S1555	
ELECTROLYTIC				12	Zener	WZ-110	
19	16WV	47 μ F		R-RESISTOR			
L-INDUCTOR				CARBON FILM			
1, 2	RF CHOKE	1mH		2, 13, 16	$\frac{1}{4}$ W	100 $\Omega \pm 10\%$	
3	RF CHOKE	250mH		23	$\frac{1}{4}$ W	220 $\Omega \pm 10\%$	
MIXER UNIT				20	$\frac{1}{4}$ W	470 $\Omega \pm 10\%$	
PRINTED CIRCUIT BOARD PB-1082(A~Z) PB-1180(A~Z)				12, 15, 19	$\frac{1}{4}$ W	1 K $\Omega \pm 10\%$	
Q-FET & TRANSISTOR				3, 14	$\frac{1}{4}$ W	2.2K $\Omega \pm 10\%$	
1	TR.	2SC372Y		22	$\frac{1}{4}$ W	2.7K $\Omega \pm 10\%$	
2	FET	3SK40M		8, 9	$\frac{1}{4}$ W	3.3K $\Omega \pm 10\%$	
D-DIODE				11	$\frac{1}{4}$ W	3.9K $\Omega \pm 10\%$	
1	Si.	1S1555		4, 5	$\frac{1}{4}$ W	5.6K $\Omega \pm 10\%$	
R-RESISTOR				17, 24, 25, 27	$\frac{1}{4}$ W	10 K $\Omega \pm 10\%$	
CARBON FILM				10	$\frac{1}{4}$ W	27 K $\Omega \pm 10\%$	
12	$\frac{1}{4}$ W	10 $\Omega \pm 10\%$		1, 18, 21	$\frac{1}{4}$ W	100 K $\Omega \pm 10\%$	
5, 7	$\frac{1}{4}$ W	100 $\Omega \pm 10\%$		CARBON COMPOSITION			
13	$\frac{1}{4}$ W	470 $\Omega \pm 10\%$		26	$\frac{1}{4}$ W	1 M $\Omega \pm 10\%$	
3, 16, 17	$\frac{1}{4}$ W	1 K $\Omega \pm 10\%$		6, 7	$\frac{1}{2}$ W	100 $\Omega \pm 10\%$	
2	$\frac{1}{4}$ W	4.7 K $\Omega \pm 10\%$		VR-VARIABLE RESISTOR			
14, 15	$\frac{1}{4}$ W	5.6 K $\Omega \pm 10\%$		1	TR12R	500 Ω B	
10	$\frac{1}{4}$ W	10 K $\Omega \pm 10\%$		2	TR11R	500 Ω B	
4, 6	$\frac{1}{4}$ W	15 K $\Omega \pm 10\%$		C-CAPACITOR			
11	$\frac{1}{4}$ W	22 K $\Omega \pm 10\%$		DIPPED MICA			
1	$\frac{1}{4}$ W	27 K $\Omega \pm 10\%$		1, 24, 25	50WV	100PF $\pm 10\%$	
8	$\frac{1}{4}$ W	100 K $\Omega \pm 10\%$					
9	$\frac{1}{4}$ W	220 K $\Omega \pm 10\%$					

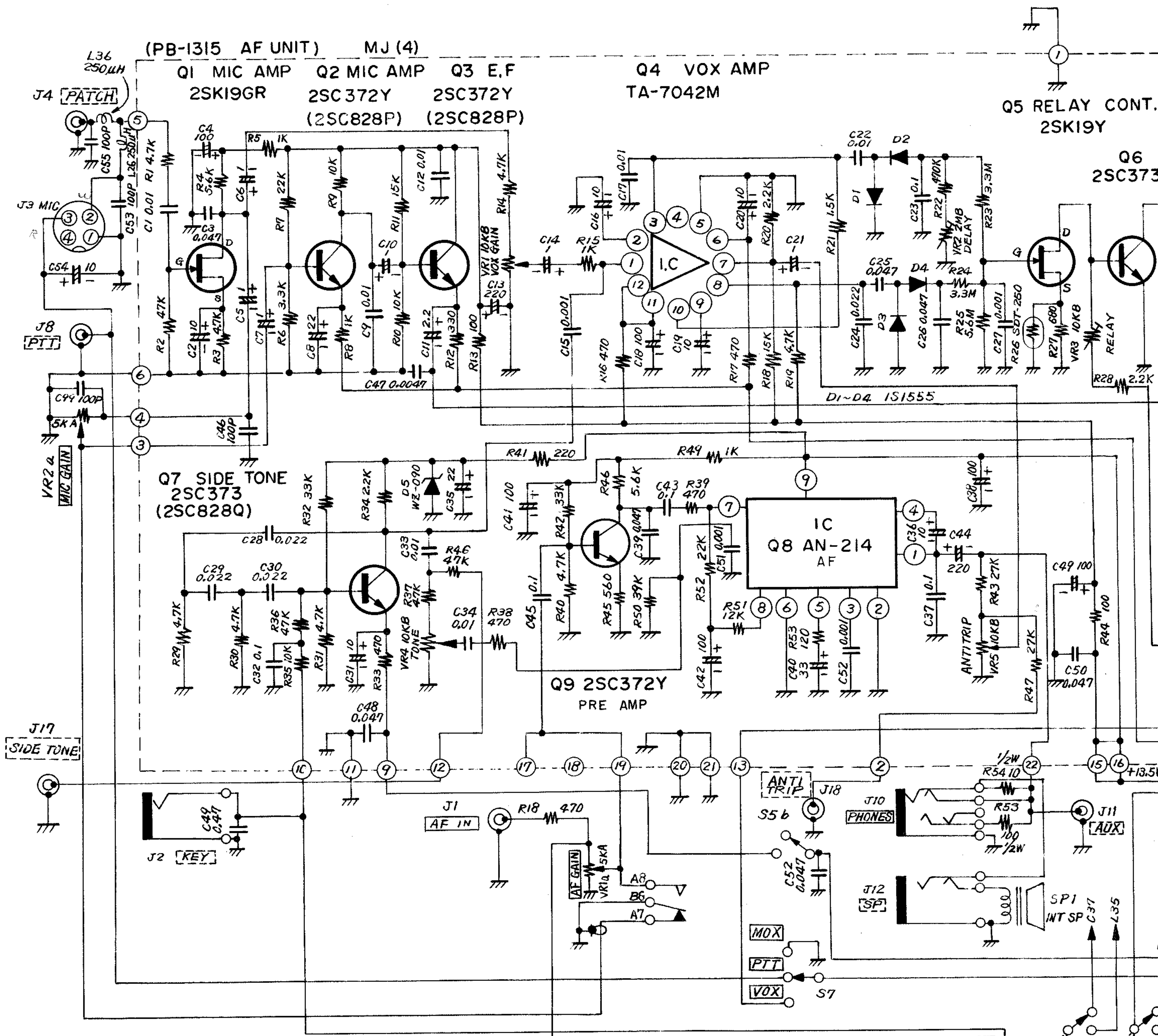
15, 22	50WV	150PF ±10%	ELECTROLYTIC		
11, 17	50WV	470PF ±10%	5, 6, 7, 10, 14, 21	16WV	1 μF
CERAMIC DISC			11	16WV	2. 2μF
26~28	50WV	0.001μF ± 80% - 20%	2, 16, 19, 20, 31, 36	16WV	10 μF
2~6, 9, 10, 12, 13, 18, 20, 21, 23, 31~34	50WV	0.01 μF ± 80% - 20%	8, 35	16WV	22 μF
7, 8, 14, 16, 19, 35	50WV	0.047μF ± 80% - 20%	40	16WV	33 μF
			4, 18, 38, 41, 42, 49	16WV	100 μF
			13, 44	16WV	220 μF
PLASTIC FILM					
29	50WV	0.47 μF ±20%			
ELECTROLYTIC					
30	16WV	10μF			
L-INDUCTOR			MOD. & OSC UNIT		
1~4	RF CHOKE	250μH	PRINTED CIRCUIT BOARD PB-1184(A~Z)		
T-TRANSFORMER & INDUCTOR			Q-FET & TRANSISTOR		
108	IF TRANSFORMER		2, 3, 5, 6	TR.	2SC372Y
109	IF TRANSFORMER(DETECTOR)		4	TR.	2SC828P
XF-CRYSTAL FILTER			1	FET.	2SK19Y
1	XF-32A SSB		D-DIODE		
2	XF-30C CW(OPTION)		1~4	Ge.	1S1007
AF UNIT			R-RESISTOR		
PRINTED CIRCUIT BOARD PB1315(A~Z)			CARBON FILM		
Q-FET, IC & TRANSISTOR			18	¼W	100 Ω ±10%
2, 3, 9	2SC372Y		1, 3	¼W	150 Ω ±10%
6, 7	2SC373		19	¼W	180 Ω ±10%
1	2SK19GR		2, 21, 30	¼W	470 Ω ±10%
5	2SK19Y		9~11, 14, 24, 28	¼W	1 KΩ ±10%
8	AN214		20	¼W	1.5KΩ ±10%
4	TA-7045M		6, 8	¼W	2.2KΩ ±10%
DIODE			12, 15, 16, 22, 25, 26, 29	¼W	4.7KΩ ±10%
1, 2, 3, 4	1S1555		32	¼W	10 KΩ ±10%
5	WZ-090		33	¼W	15 KΩ ±10%
RESISTOR			13, 17, 23, 27	¼W	22 KΩ ±10%
13, 14	¼W	100 Ω ±10%	7	¼W	33 KΩ ±10%
53	¼W	120 Ω ±10%	4	¼W	100 KΩ ±10%
41	¼W	220 Ω ±10%	VR-VARIABLE RESISTOR		
12	¼W	330 Ω ±10%	1	TRI R	500ΩB
16, 17, 33, 38, 39	¼W	470 Ω ±10%	2	TRI R	5KΩB
45	¼W	560 Ω ±10%	C-CAPACITOR		
27	¼W	680 Ω ±10%	DIPPED MICA		
5, 8, 15, 49	¼W	1 Ω ±10%	20, 28, 30	50WV	30PF ±10%
21	¼W	1.5KΩ ±10%	19, 27, 32	50WV	40PF ±10%
20, 28, 34	¼W	2.2KΩ ±10%	38	50WV	50PF ±10%
6	¼W	3.3KΩ ±10%	5, 10, 37	50WV	100PF ±10%
1, 3, 14, 29~31, 40	¼W	4.7KΩ ±10%	4	50WV	150PF ±10%
4, 48	¼W	5.6KΩ ±10%	21	50WV	300PF ±10%
9, 10, 35	¼W	10 KΩ ±10%	23, 36	50WV	1000PF ±10%
51	¼W	12 KΩ ±10%	CERAMIC DISC		
11, 18	¼W	15 KΩ ±10%	31	50WV	0.001μF ± 80% - 20%
7, 52	¼W	22 KΩ ±10%	2, 8, 9, 13, 17, 18, 24, 26, 29, 33	50WV	0.01 μF ± 80% - 20%
43, 47	¼W	27 KΩ ±10%	6, 11, 22, 25, 34	50WV	0.047μF ± 80% - 20%
32, 42	¼W	33 KΩ ±10%	PLASTIC FILM		
50	¼W	39 KΩ ±10%	12	50WV	0.22 μF ±20%
2, 36, 37, 46	¼W	47 KΩ ±10%	ELECTROLYTIC		
22	¼W	470 KΩ ±10%	15	16WV	100μF
23, 24	½W	3.3MΩ ±10%			
25	½W	5.6MΩ ±10%			
26	THERMISTOR SDT250		TC-TRIMMER CAPACITOR		
VR-VARIABLE RESISTOR			CERAMIC		
3, 4	TR-11R	10KΩB	2~4	ECVIZW20P40	20PF
1, 5	V160KRZ-1	10KΩB	1, 5, 6	ECVIZW50P40	50PF
2	V160KRZ-1	2MΩB	L-INDUCTOR		
C-CAPACITOR			5	RF CHOKE	10μH
46	DIPPED MICA	50WV 100 PF ±10%	2~4, 6, 7	RF CHOKE	22μH
15, 27, 51, 52	MYLAR	50WV 0.001μF ±20%	8, 9	RF CHOKE	250μH
47		50WV 0.0047μF ±20%			
1, 9, 12, 17, 22, 33, 34		50WV 0.01 μF ±20%			
24, 28, 29, 30, 39		50WV 0.022 μF ±20%			
3, 25, 26, 48, 50		50WV 0.047 μF ±20%			
23, 32, 37, 43, 45		50WV 0.1 μF ±20%			

T-TRANSFORMER			D-DIODE		
110	IF TRANSFORMER		1~3	Si	1S1555
X-CRYSTAL			4	Zener	WZ090
1	HC-6/U 3178.5KHz(USB)		R-RESISTOR		
2	HC-6/U 3181.5KHz(LSB)		CARBON FILM		
3	HC-6/U 3179.3KHz(CW/AM)		4, 13	$\frac{1}{4}W$	100 $\Omega \pm 10\%$
			16	$\frac{1}{4}W$	330 $\Omega \pm 10\%$
			3	$\frac{1}{4}W$	560 $\Omega \pm 10\%$
REG. & CALIB. UNIT			6, 8, 12, 19	$\frac{1}{4}W$	1 K $\Omega \pm 10\%$
PRINTED CIRCUIT BOARD PB-1314(A~Z)			18	$\frac{1}{4}W$	1.5K $\Omega \pm 10\%$
Q-TRANSISTOR & IC			15	$\frac{1}{4}W$	2.2K $\Omega \pm 10\%$
1, 3	TR.	2SC735Y	9, 11, 21, 22	$\frac{1}{4}W$	3.3K $\Omega \pm 10\%$
2	IC	MFC-6020	1	$\frac{1}{4}W$	4.7K $\Omega \pm 10\%$
4	IC	MFC-6030A~4A	23	$\frac{1}{4}W$	15 K $\Omega \pm 10\%$
D-DIODE			2, 10	$\frac{1}{4}W$	22 K $\Omega \pm 10\%$
1, 2, 3	Si	1S1555	5, 7, 14, 17, 20	$\frac{1}{4}W$	100 K $\Omega \pm 10\%$
			VR-VARIABLE RESISTOR		
R-RESISTOR			1	TRIIR	10K Ω B
CARBON FILM			C-CAPACITOR		
3, 6	$\frac{1}{4}W$	100 $\Omega \pm 10\%$	DIPPED MICA		
10, 19, 20	$\frac{1}{4}W$	470 $\Omega \pm 10\%$	1	50WV	3P F $\pm 0.5PF$
8	$\frac{1}{4}W$	560 $\Omega \pm 10\%$	13	50WV	6P F $\pm 1PF$
7, 21	$\frac{1}{4}W$	680 $\Omega \pm 10\%$	3, 9, 16, 18	50WV	30P F $\pm 10\%$
16	$\frac{1}{4}W$	1.5K $\Omega \pm 10\%$	12	50WV	50P F $\pm 10\%$
17	$\frac{1}{4}W$	4.7K $\Omega \pm 10\%$	11, 21, 22	50WV	100P F $\pm 10\%$
1, 4, 13, 15, 18	$\frac{1}{4}W$	10 K $\Omega \pm 10\%$	2, 4, 8, 15	50WV	130P F $\pm 10\%$
2	$\frac{1}{4}W$	15 K $\Omega \pm 10\%$	CERAMIC DISC		
14	$\frac{1}{4}W$	47 K $\Omega \pm 10\%$	5, 10, 14, 17, 19, 20, 24, 25, 28, 29	50WV	0.01 μ F $\pm \begin{smallmatrix} 80\% \\ 20\% \end{smallmatrix}$
2, 5	$\frac{1}{4}W$	100 K $\Omega \pm 10\%$	6, 26, 27	50WV	0.047 μ F $\pm \begin{smallmatrix} 80\% \\ 20\% \end{smallmatrix}$
CARBON COMPOSITION			ELECTROLYTIC		
9	$\frac{1}{2}W$	4.7 $\Omega \pm 10\%$	7, 23	16WV	1 μ F
11	2W	6.8K $\Omega \pm 10\%$	TC-TRIMMER CAPACITOR		
VR-VARIABLE RESISTOR			CERAMIC		
4	TRIIR	500 Ω B	1~4	ECV1ZW50P40	50P F
3	TRIIR	1K Ω B	L-INDUCTOR		
2	VI60KRZ-I	10K Ω B	2	RF CHOKE	250 μ H
			1, 3~5	RF CHOKE	1mH
C-CAPACITOR			T-TRANSFORMER		
DIPPED MICA			116~119	IF TRANSFORMER R124129	
7~9	50WV	30PF $\pm 10\%$	FIX UNIT		
5, 10	50WV	40PF $\pm 10\%$	PRINTED CIRCUIT BOARD PB-1344(A~Z)		
1	50WV	100PF $\pm 10\%$	Q-FET		
2	50WV	250PF $\pm 10\%$	1	FET	2SK19GR
3	50WV	2000PF $\pm 10\%$	D-DIODE		
CERAMIC DISC			1	Varactor	1S145
4, 6	50WV	0.01 μ F	R-RESISTOR		
PLASTIC FILM			CARBON FILM		
17	50WV	0.001 μ F	2	$\frac{1}{4}W$	56 $\Omega \pm 10\%$
15	50WV	0.1 μ F	3	$\frac{1}{4}W$	100 $\Omega \pm 10\%$
20	250WV	0.047 μ F	1, 4	$\frac{1}{4}W$	100K $\Omega \pm 10\%$
ELECTROLYTIC			C-CAPACITOR		
13, 14	16WV	1000 μ F	DIPPED MICA		
16	16WV	100 μ F	5	50WV	20P F $\pm 10\%$
11, 12	25WV	1000 μ F	3	50WV	50P F $\pm 10\%$
21	150WV	22 μ F	CERAMIC DISC		
18, 19, 22	250WV	22 μ F	1, 2, 4	50WV	0.01 μ F $\pm \begin{smallmatrix} 80\% \\ 20\% \end{smallmatrix}$
TC-TRIMMER CAPACITOR			L-INDUCTOR		
CERAMIC			2	RF CHOKE	250 μ H
1	ECV1ZW50P40	50PF	1	FIX OUTPUT COIL	
L-INDUCTOR					
1, 2	RF CHOCK	4mH	VFO UNIT		
X-CRYSTAL			PRINTED CIRCUIT BOARD PB-1056(A~Z)		
1	HC-13/U	100KHz	Q-FET & TRANSISTOR		
NB UNIT			3	TR.	2SC372Y
PRINTED CIRCUIT BOARD PB-1292(A~Z)			1, 2	FET	2SK19GR
Q-FET & TRANSISTOR			D-DIODE		
1, 6	TR.	2SC372Y	1	Varactor	1S145
4	TR.	2SC784R	R-RESISTOR		
2, 3, 5	FET	2SK19GR	CARBON FILM		
			4, 7	$\frac{1}{4}W$	100 $\Omega \pm 10\%$
			10	$\frac{1}{4}W$	270 $\Omega \pm 10\%$
			3, 6	$\frac{1}{4}W$	330 $\Omega \pm 10\%$
			8	$\frac{1}{4}W$	8.2K $\Omega \pm 10\%$

1	$\frac{1}{4}W$	10	$K\Omega \pm 10\%$	1-3, 8, 11-13	Si.	1S1555
9	$\frac{1}{4}W$	22	$K\Omega \pm 10\%$	14	Si.	1S1941
2 5	$\frac{1}{4}W$	100	$K\Omega \pm 10\%$	9	Zener	WZ-090
CARBON COMPOSITION				R-RESISTOR		
11(L5)	$\frac{1}{2}W$	1	$K\Omega \pm 10\%$	CARBON FILM		
				48	$\frac{1}{4}W$	220 $\Omega \pm 10\%$
				22	$\frac{1}{4}W$	330 $\Omega \pm 10\%$
				18	$\frac{1}{4}W$	470 $\Omega \pm 10\%$
				26, 63	$\frac{1}{4}W$	560 $\Omega \pm 10\%$
				64, 65, 68	$\frac{1}{4}W$	1K $\Omega \pm 10\%$
				50	$\frac{1}{4}W$	1.5K $\Omega \pm 10\%$
				70	$\frac{1}{4}W$	3.3K $\Omega \pm 10\%$
				61, 64	$\frac{1}{4}W$	4.7K $\Omega \pm 10\%$
				23, 24, 33, 34	$\frac{1}{4}W$	5.6K $\Omega \pm 10\%$
				25, 59	$\frac{1}{4}W$	10 $K\Omega \pm 10\%$
				60	$\frac{1}{4}W$	33K $\Omega \pm 10\%$
C-CAPACITOR				CARBON COMPOSITION		
DIPPED MICA						
16	50WV	20PF $\pm 10\%$		54	$\frac{1}{2}W$	10 $\Omega \pm 10\%$
8, 10	50WV	100PF $\pm 10\%$		4, 9, 17, 39, 69	$\frac{1}{2}W$	56 $\Omega \pm 10\%$
1, 2	50WV	650PF $\pm 10\%$		14, 51, 53, 55	$\frac{1}{2}W$	100 $\Omega \pm 10\%$
11	50WV	1000PF $\pm 10\%$		16	$\frac{1}{2}W$	470 $\Omega \pm 10\%$
11	50WV	2000PF $\pm 10\%$		35	$\frac{1}{2}W$	680 $\Omega \pm 10\%$
CERAMIC DISC						
6, 7, 9, 12, 15	50WV	0.01 μF	$\begin{matrix} +80\% \\ -20\% \end{matrix}$	7, 38, 66	$\frac{1}{2}W$	1 $K\Omega \pm 10\%$
3, 5, 13	500WV	0.01 μF	$\begin{matrix} +100\% \\ -0\% \end{matrix}$	6, 67	$\frac{1}{2}W$	2.2K $\Omega \pm 10\%$
CERAMIC TC				2	$\frac{1}{2}W$	3.3K $\Omega \pm 10\%$
14	NP0	6PF $\pm 0.5PF$		44	$\frac{1}{2}W$	4.7K $\Omega \pm 10\%$
4	NP0	10PF $\pm 10\%$		19, 20	$\frac{1}{2}W$	5.6K $\Omega \pm 10\%$
19	NP0	82PF $\pm 10\%$		8	$\frac{1}{2}W$	10 $K\Omega \pm 10\%$
20	N750	2PF $\pm 0.5PF$		36, 56	$\frac{1}{2}W$	33 $K\Omega \pm 10\%$
18	N750	7PF $\pm 0.5PF$		3	$\frac{1}{2}W$	47 $K\Omega \pm 10\%$
17	N750	20PF $\pm 10\%$		28, 29	$\frac{1}{2}W$	470 $K\Omega \pm 10\%$
VC-VARIABLE CAPACITOR				13	$\frac{1}{2}W$	1 $M\Omega \pm 10\%$
1	AIR	B521A112		10, 11	1 W	56 $\Omega \pm 10\%$
TC-TRIMMER CAPACITOR				METALIC FILM		
1	AIR	TSN150C30PF		30	1 W	47 $K\Omega \pm 10\%$
2	AIR	TSN170C10PF $\times 2$		5	3 W	5.1K $\Omega \pm 10\%$
L-INDUCTOR				40	5 W	1.5K $\Omega \pm 10\%$
1	OSCILLATOR COIL			37	5 W	18 $K\Omega \pm 10\%$
2-4, 6, 7	RF CHOKE	250 μH		WIRE WOUND		
5(R11)	RF CHOKE			METER SHUNT		
RECTIFIER UNIT				12	VR-VARIABLE RESISTOR	
PRINTED CIRCUIT BOARD PB-1076(A~Z)				3	EVCBOQS20B13	1K Ω B
D-DIODE				6	EVHBOAS15B13	1K Ω B
5, 6	Si.	1S1942		1	EVKA2AF02314	5K Ω A/1K Ω B
1-4, 9-12	Si.	10D10		2	EVKA2AF01339	5K Ω A/5K Ω B
7, 8	Si.	V06B		4	TR-11R	500 Ω B
R-RESISTOR				C-CAPACITOR		
CARBON FILM				DIPPED MICA		
6-13	$\frac{1}{4}W$	470	$K\Omega \pm 10\%$	123	500WV	2PF $\pm 0.5PF$
CARBON COMPOSITION				134	500WV	3PF $\pm 0.5PF$
4, 5	1 W	3.3 $\Omega \pm 10\%$		28	500WV	5PF $\pm 0.5PF$
1	2 W	5.6 $\Omega \pm 10\%$		1, 16, 98, 107	500WV	10PF $\pm 10\%$
METALIC FILM				44	500WV	20PF $\pm 10\%$
3	5W	220 $\Omega \pm 10\%$		97, 106, 122	500WV	30PF $\pm 10\%$
C-CAPACITOR				5, 6, 10, 42, 43, 47	500WV	50PF $\pm 10\%$
CERAMIC DISC				135	500WV	60PF $\pm 10\%$
6	50WV	0.047 μF	$\begin{matrix} +80\% \\ -20\% \end{matrix}$	48, 53, 55, 92, 99	500WV	100PF $\pm 10\%$
4	500WV	0.01 μF	$\begin{matrix} +100\% \\ -0\% \end{matrix}$	46, 111	500WV	150PF $\pm 10\%$
1, 2, 5	1.4KV	0.0047 μF	$\begin{matrix} +100\% \\ -0\% \end{matrix}$	29	500WV	200PF $\pm 10\%$
ELECTROLYTIC				4, 9, 127	500WV	250PF $\pm 10\%$
3	25WV	470 μF		41,	500WV	270PF $\pm 10\%$
MAIN CHASSIS				45	500WV	300PF $\pm 10\%$
V-VACUUM TUBE				105, 108	500WV	400PF $\pm 10\%$
1	12BY7A			2, 26, 136	500WV	470PF $\pm 10\%$
2, 3	6JS6C			128, 129, 130	500WV	820PF $\pm 10\%$
Q-TRANSISTOR				7, 27, 120, 121, 131	500WV	1000PF $\pm 10\%$
1, 2	TR.	2SB206		17	500WV	2200PF $\pm 10\%$
3	TR.	2SC372Y		133	500WV	3000PF $\pm 10\%$
D-DIODE				MOULDED MICA		
4, 7	Ge.	1S1007		13, 104	1KWV	80PF $\pm 10\%$
				125	1KWV	100PF $\pm 10\%$
				11	1KWV	200PF $\pm 10\%$
				23	1.5KWV	1000PF $\pm 10\%$
				CERAMIC DISC		

51, 62, 65, 81 ~83, 86, 87, 90, 118	50WV 0.01 μ F	+ 80% - 20%	T-TRANSFORMER & CHOKE COIL			
33, 38, 50, 52, 59 ~61, 66, 69 ~73, 85, 89, 91, 94, 95, 100, 103	50WV 0.047 μ F	+ 80% - 20%	11	POWER TRANSFORMER		
			12	AF CHOKE 20mH 0.5A		
			F-FUSE			
8, 14, 15, 20, 22	500WV 0.0047 μ F	+100% - 0%	1	AC 5A(100 ~117V)3A(200 ~234V)		
3, 19, 21, 101, 102	500WV 0.01 μ F	+100% - 0%	2	DC 20A		
74	1.4KV 0.001 μ F	+100% - 0%	FH-FUSE HOLDER			
24	1.4KV 0.0047 μ F	+100% - 0%	1	AC S-N1001		
36, 75	1.4KV 0.01 μ F	+100% - 0%	2	DC S-N1102		
25	(RDA30) 3KV	150P F $\pm$ 10%	RL-RELAY			
132	3KV	600P F $\pm$ 10%	1	AE3171-42		
CERAMIC FEED THRU			2	MX2P		
30 ~32, 34, 35, 37, 39, 40, 67, 68, 84, 110	500WV 0.001 μ F	+100% - 0%				
PLASTIC FILM			S-SWITCH			
140, 141	50WV 0.047 μ F $\pm$ 20%		1	ROTARY RS13-13-11(BAND)		
18	50WV 0.22 μ F $\pm$ 20%		2	ROTARY ESRE365R20Z(MODE)		
49	50WV 0.47 μ F $\pm$ 20%		4	ROTARY ESRE246R20Z(SELECT)		
METALIZED PAPER			6	SEASAW WD3001 (POWER)		
76	160WV 2.2 μ F $\pm$ 20%		5	SEASAW WD3201 (HEATER)		
145	220VAC 1 μ F		3, 10	SLIDE SS-F22-08		
ELECTROLYTIC			7 ~9	SLIDE SS-H23-08		
142, 146	16WV 1 μ F					
54, 144	16WV 10 μ F					
143	16WV 100 μ F					
63	16WV 220 μ F		X-CRYSTAL			
109	450WV 2.2 μ F		1	80M	HC-25/U	9.52MHz
77, 78	500WV 100 μ F		2	40M	HC-25/U	13.02MHz
VC-VARIABLE CAPACITOR			3	20M	HC-25/U	20.02MHz
1	(PLATE) AIR RT18B300VC	300P F	4	15M	HC-25/U	27.02MHz
2	(LOADING)AIR C123A129		5	11M	HC-25/U	33.02MHz
TC-TRIMMER CAPACITOR			6	10M-A	HC-25/U	34.02MHz
CERAMIC			7	10M-B	HC-25/U	34.52MHz
5	ECV1ZW10P32	10P F	8	10M-C	HC-25/U	35.02MHz
1 ~4, 11 ~25	ECV1ZW50P32	50P F	9	10M-D	HC-25/U	35.52MHz
7, 8, 9	MICA B-1PY	40P F	10	JJY/WWV	HC-25/U	16.02MHz
6, 31	B-2PY	100P F	11	160M	HC-25/U	7.52MHz
10, 26, 28, 29	B-7P	420P F				
27	AIR TSN-150C	10P F				
PLASTIC FILM			MJ-MULTI JACK			
30	CTY12B	10P F	1, 2, 6	3305-018-011		18 P
L-INDUCTOR			3, 4	3305-022-011		22P
12, 13, 16 ~18, 20, RF CHOKE	250 μ H		5	3305-014-011		14P
21, 26, 31, 35			7	3305-010-011		10P
3, 11, 14, 15, 36	RF CHOKE(TV-245)	250 μ H	PL-LAMP			
9	RF CHOKE	300 μ H	1, 2, 4	16V 0.15A		
7	RF CHOKE(PLATE)	500 μ H	3	14V 40mA		
2	RF CHOKE	1mH	5, 6	TLR-104		
24	P.S. $\frac{1}{2}$ W56 Ω 0.3 ϕ	10TS	PLH-LAMP HOLDER			
1, 4, 37	P.S. $\frac{1}{2}$ W56 Ω 0.6 ϕ	4TS	1, 2	#001011		
5, 6	P.S. 1 W56 Ω 1.0 ϕ	4TS	3	B-1		
8	TANK COIL		VS-TUBE SOCKET			
22	TRAP COIL		1	TS103C01		
28	TRAP COIL		2, 3	S-B0703		
29	TRAP COIL		J-RECEPTACLE & JACK			
32	TRAP COIL		1, 4, 5, 7, 8, 11, 16 ~18	CN-7017		
33	TUNING COIL		2	S-G7616 (KEY)		
25	L.P.FILTER COIL		10	S-G7814 (PHONE)		
			3	FM-144 (MIC)		
			6	JSO-239 (ANT)		
			9	450AB12M(POWER)		
T-TRANSFORMER & INDUCTOR			12	P2240 (SP)		
101A	ANT COIL A		13	S-B0611 (EXT.VFO)		
102	GRID COIL A		14	SA602B(ACC)		
103	DRIVER COIL A		15	S-I6303 (FAN)		
104	ANT COIL B					
105	DRIVER COIL B					
106	GRID COIL B					
107	5MHz TRAP COIL		M-METER			
111	OSC COIL		1	MK-45		
115	3.18MHz TRAP COIL					





NOTES

1. ALL RESISTORS ARE IN 1/4W UNLESS OTHERWISE NOTED.
2. ALL CAPACITORS ARE IN μ F UNLESS OTHERWISE NOTED.
3. ALL ELECTROLYTIC CAPACITORS ARE 16WV UNLESS OTHERWISE NOTED.
4. * VALUE IS NOMINAL.

FT-101B₂
CIRCUIT DIAGRAM

