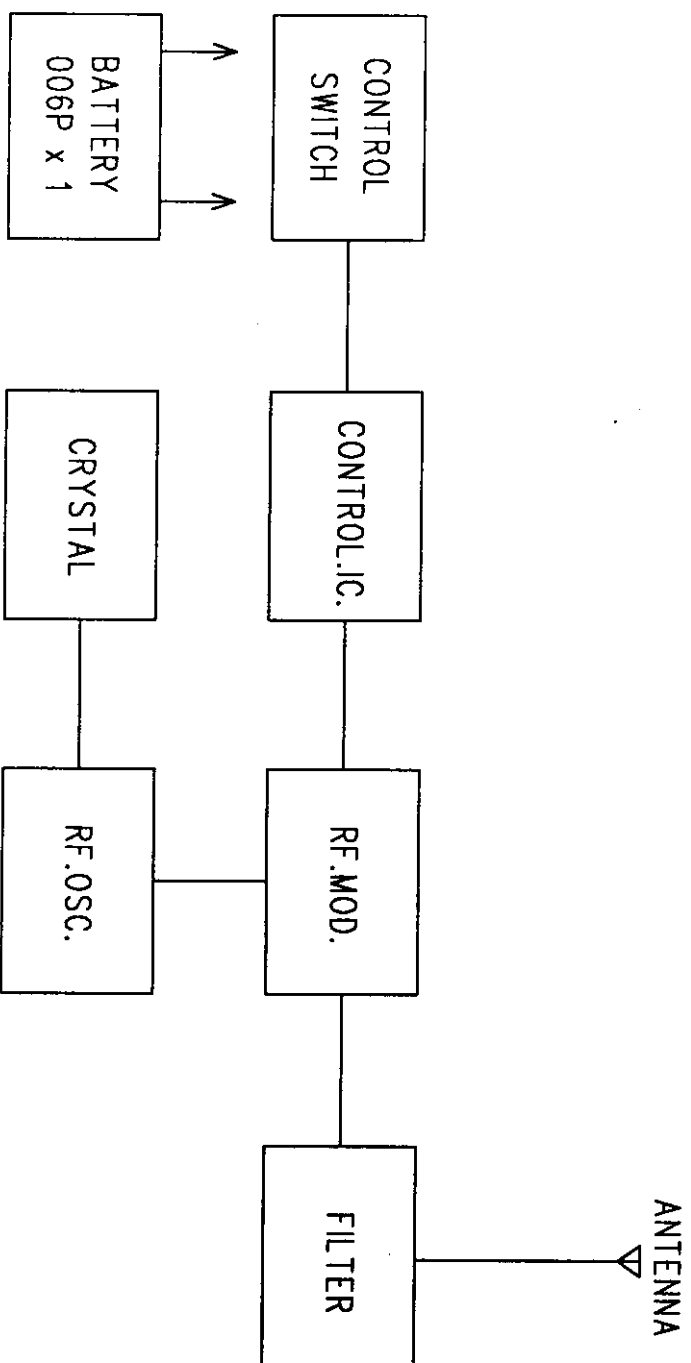


TN7700WH TRANSMITTER BLOCK DIAGRAM



TN7700WH LIST

49MHz

99 / 05 / 18

1 ページ

N O .	DESCRIPTION	CODE	PARTS NAME	NOTE
1	I. C.	IC 1	NT9601	
2	TRANSISTOR	TR 1	2SC945Q or equivalent	
3		TR 2	2SC945Q or equivalent	
4		TR 3	2SC945Q or equivalent	
5	DIODE	D 1	1SS133 or equivalent	
6		D 6	0 ohm	
7		D 7	0 ohm	
8		D 8	0 ohm	
9		D 9	0 ohm	
10		D10	LED:D5mm	
11		D11	-	
12		D12	-	
13		D13	-	
14	RESISTOR	R 1	6.8K(+/-1%)	
15		R 2	120K	
16		R 3	100	
17		R 4	22K	
18		R 5	100	
19		R 7	-	
20		R 8	100	
21		R 9	-	
22	CAPACITOR	C 1	103(C)	
23		C 2	102J(M)	
24		C 6	103(C)	
25		C 7	103(C)	
26		C 8	22p(C)	
27		C 9	5p(C)	
28		C10	-	
29		C11	103(C)	
30		C12	22p(C)	
31		C13	47p(C)	
32		C14	5p(C)	
33		C15	103(C)	
34		C16	103(C) (Between IC6P-8P)	
35		C17	-	
36	INDUCTOR	L 1	SP 1uH	
37		L 2	SP 1uH	
38		L 3	8.5T	
39	JUMPER	J 5	-	
40		J 8	0 ohm	
41		J 9	0 ohm	
42		J10	0 ohm	
43		J11	-	
44	EXTRA PARTS	EP 1	X1:49.860MHz	*CITIZEN
45		EP 2	ANTENNA FITTING:AH-45	
46		EP 3	SUB PCB:NO.S2 x 2	
47		EP 4	MAIN PCB:NO.TN7700W	
48				
49				

RESISTOR...No mark:1/6W,+-5% INDUCTOR...100mA,+-10%

CAPACITOR:(C)=CERAMIC...50WV,+-20%

:(M)=MYLAR...50WV,No mark(K-rank):+-10%,J-rank:+-5%

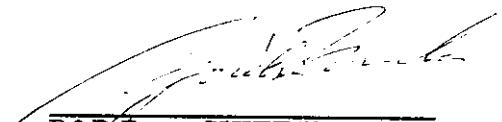
:(E)=ELECTROLYTIC...16WV,+-20%

:(T)=TANTALUM...35WV,+-10%

TN7700WH CIRCUIT EXPLANATION

- 1)TR1 forms the power circuit.
- 2)The power circuit status to operate when SW1 or SW2 is turn ON.
- 3)TR2 and TR3 forms the Radio Frequency oscillator.
- 4)The Amplitude Modulation of the Radio Frequency is performed in TR3 by placing the waves on Audio Frequency.
- 5)AM. waves are output into the collector of TR3,passed through the filter, and is transmitted from the Antenna.

NIKKO CO.,LTD.



R&D Dept. CHIEF Y.MAEDA