

TD3531 CIRCUIT EXPLANATION

(FCC ID:CVTTD3531H)

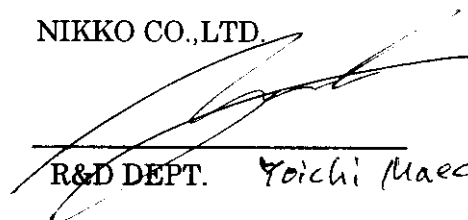
1)TR1 and TR2 forms the Action signal oscillator.

2)TR3 form Radio Frequency oscillator.

3)The Amplitude Modulation of the Radio Frequency is performed in TR4 by placing the waves on Audio Frequency.

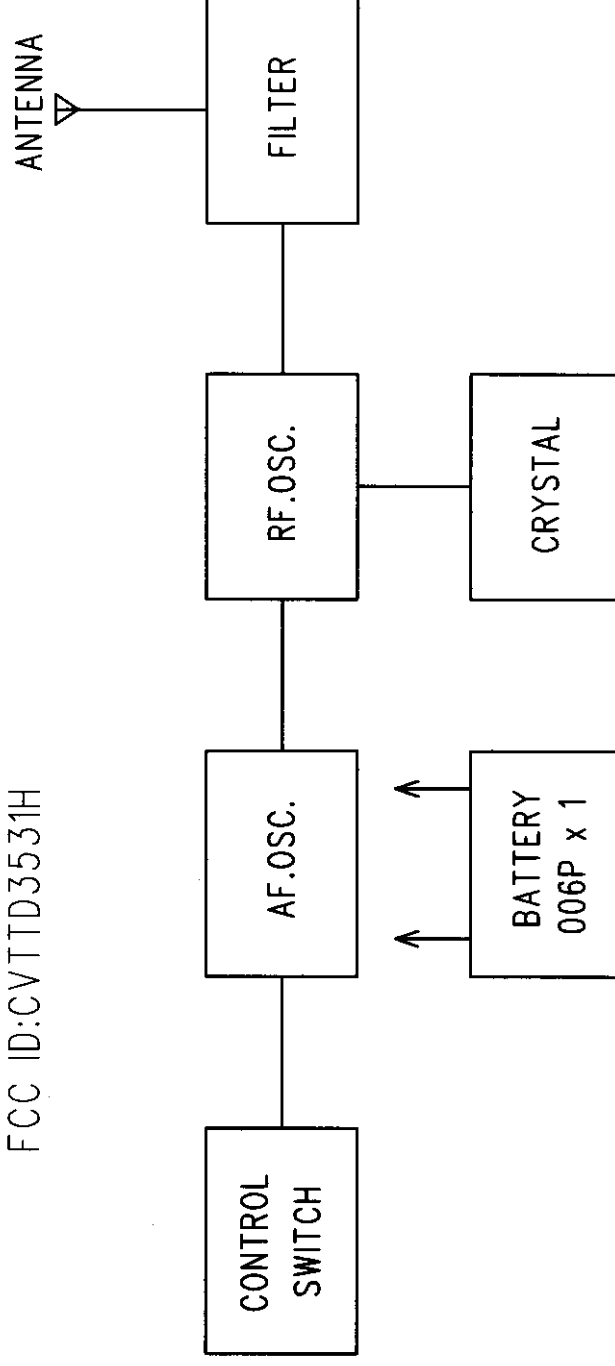
4)AM. waves are output into the collector of TR4,passed through the filter, and is transmitted from the Antenna.

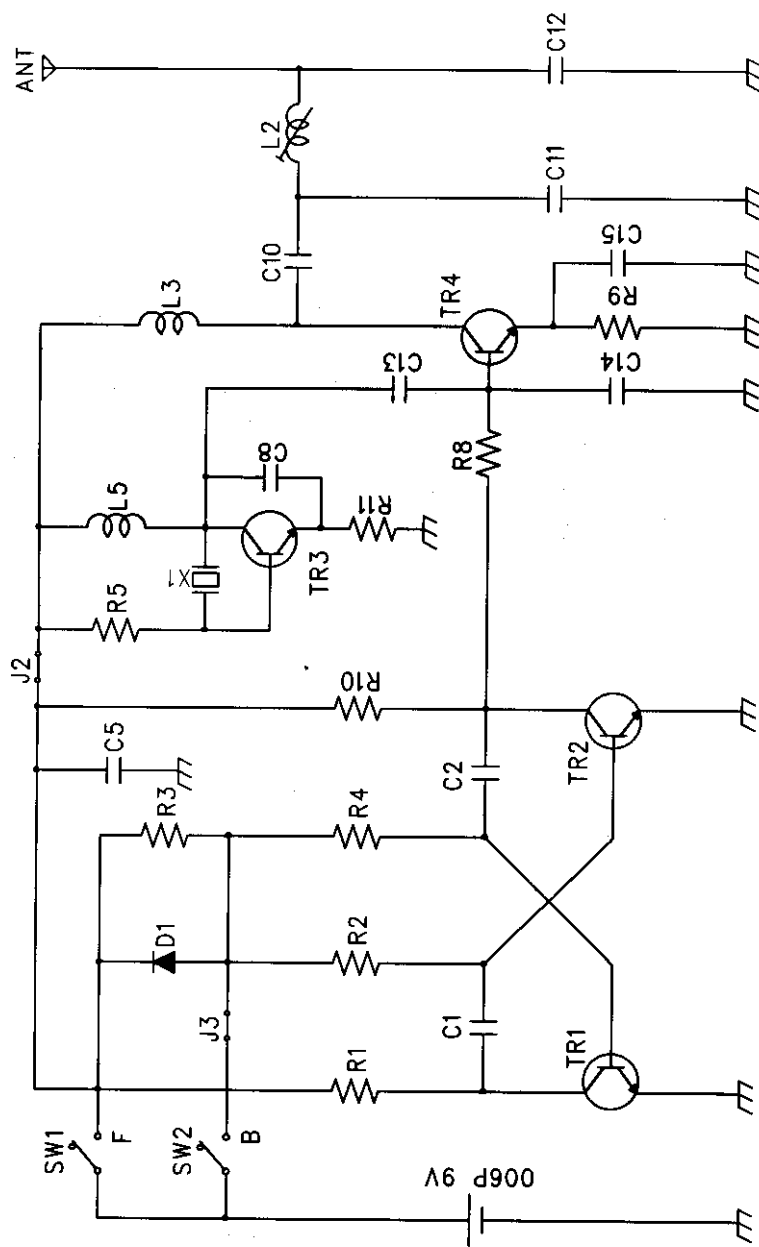
NIKKO CO.,LTD.


R&D DEPT. Yoichi Maeda

PCB:NO.TD3531 TRANSMITTER BLOCK DIAGRAM

FCC ID:CVTTD3531H





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NO.TD3531 TRANSMITTER
CIRCUIT DIAGRAM

1999/04/29 YM

NO. TD3531 PCB. PARTS LIST

FCC ID :CVTTD3531H

1999.7.21

NO.	DESCRIPTION	CODE	PARTS NAME	NOTE
1	TRANSISTOR	TR 1	2SC945Q or equivalent	
2		TR 2	2SC945Q or equivalent	
3		TR 3	2SC945Q or equivalent	
4		TR 4	2SC945Q or equivalent	
5	DIODE	D 1	1N4148 or equivalent	
6	RESISTOR	R 1	47K	
7		R 2	47K	
8		R 3	39K	
9		R 4	22K	
10		R 5	120K	
11		R 8	68K	
12		R 9	100	
13		R10	1K	
14		R11	220	
15	CAPACITOR	C 1	333 (M)	
16		C 2	333 (M)	
17		C 5	103 (C)	
18		C 8	22p (C)	
19		C10	22p (C)	
20		C11	47p (C)	
21		C12	5p (C)	
22		C13	22p (C)	
23		C14	47p (C)	
24		C15	103 (C)	
25	INDUCTOR	L 1	S11.5T	
26		L 2	SP 1uH	
27		L 5	SP 1uH	
28	EXTRA PARTS	EP 1	X2:49.860MHz	CITIZEN
29		EP 2	SW1, 2:PUSH PLATE SWITCH	
30		EP 3	RIVET: (#5x1tx#2x4L)x3	
31		EP 4	PCB:NO. TD3530	

RESISTOR:No mark=1/6W, ±5% INDUCTOR:100mA, ±10%

CAPACITOR (C):Ceramic, 50WV, +80-20% (T):Tantalum, 16WV, ±10%

(M):Mylar, 50WV[No mark=K. rank (±10%), J. rank (±5%)]

(E):Electrolytic, 16WV, ±20% (N):Non pole electrolytic, 16WV, ±20%