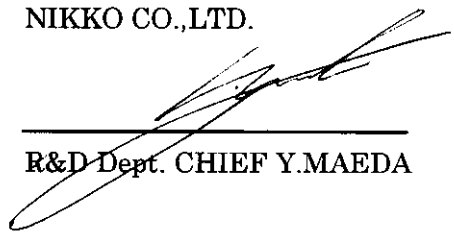


RD3210 CIRCUIT EXPLANATION

(FCC ID:CVTRD3210H)

- 1)The Radio Frequency inputted through The ANT.,is passed to the Super regenerative receiver,formed by TR1,where the Action Signal is detected.
- 2)The Action Signal is amplified TR2 and TR3.
- 3)The amplified Signal input to a filter circuit that is organized by TR4 and TR5.
- 4)When the filter circuit is received Foward signal,TR4 is turned on.
then TR7 and TR9 are turned on.
Consequently R/C vehicle moves in Forward.
- 5)When the filter circuit is received Backward signal,TR5 is turned off.
Then TR6 and TR8 are turned on.
Consequently R/C vehicle moves in Backward.

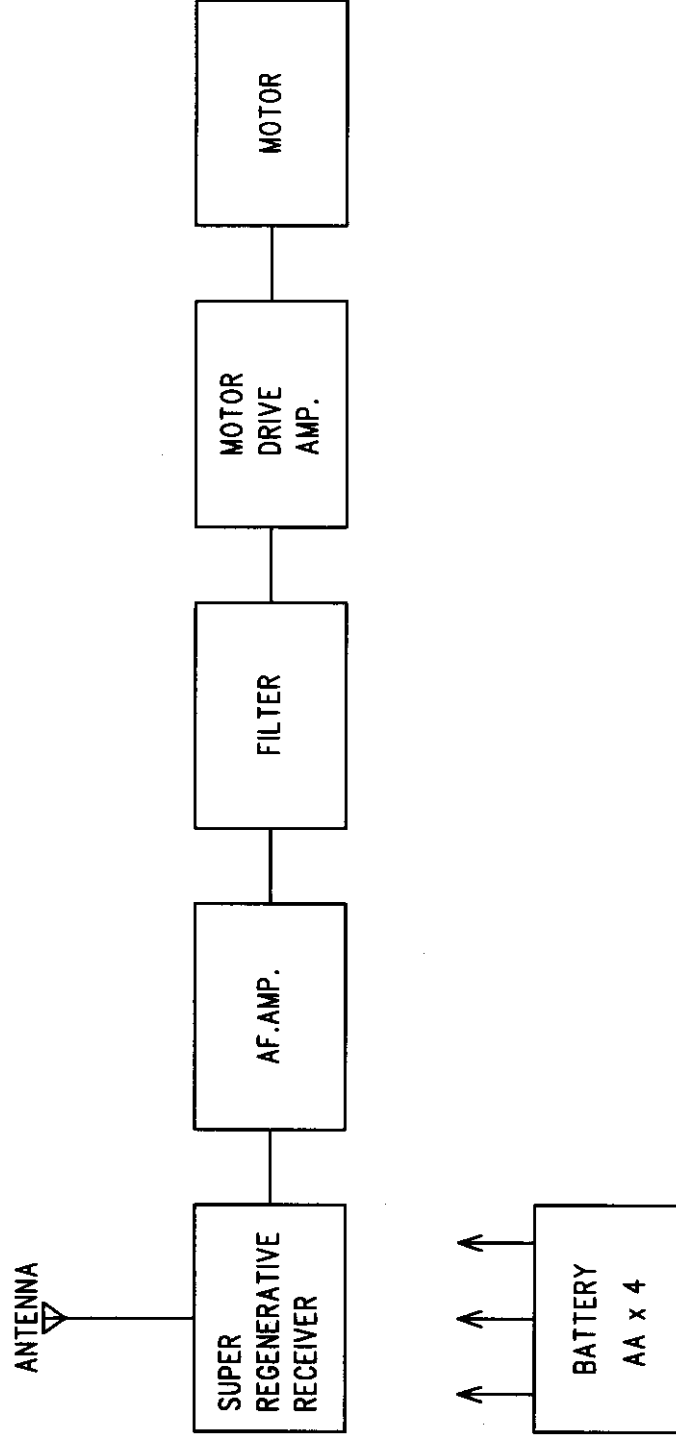
NIKKO CO.,LTD.

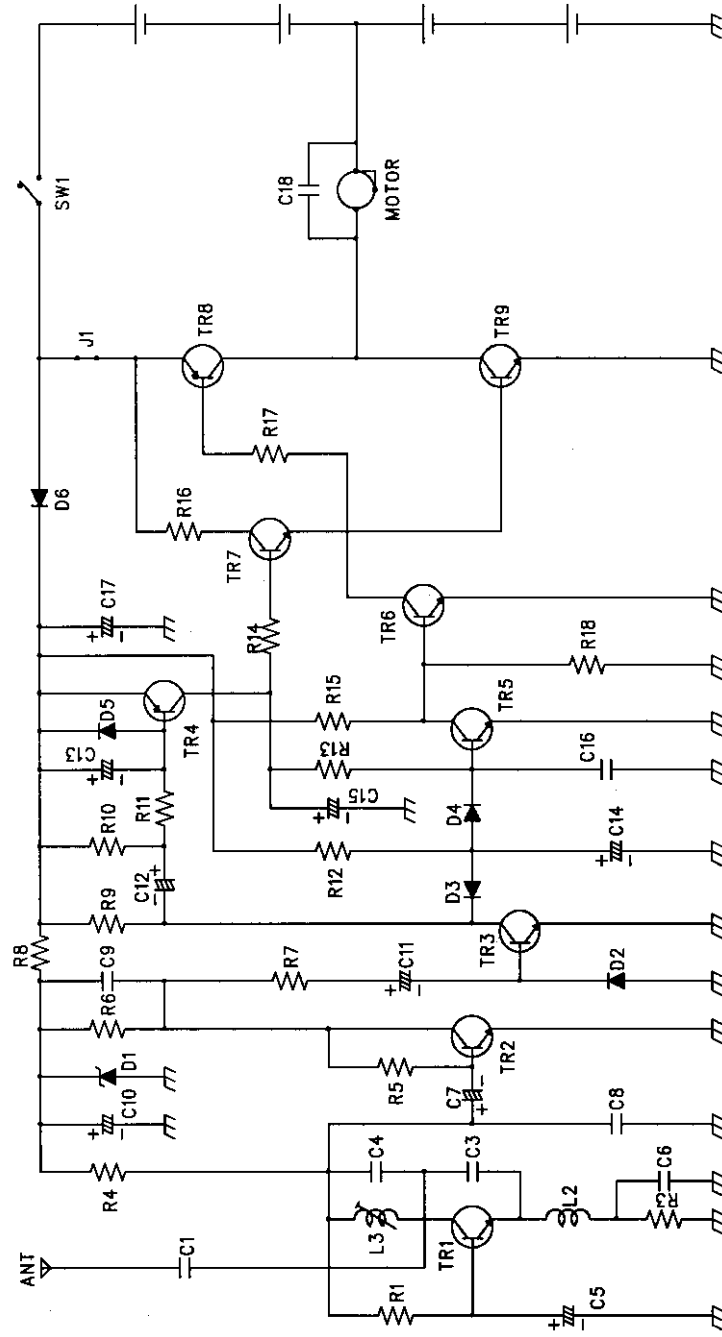


R&D Dept. CHIEF Y.MAEDA

PCB:NO.RD3210 RECEIVER BLOCK DIAGRAM

FCC ID:CVTRD3210H





NO.RD3210
CIRCUIT DIAGRAM
FCC ID:CVTRD3210H

NO. RD3210 PCB PARTS LIST

FCC ID:CVTRD3210H

NO.	DESCRIPTION	CODE	PARTS NAME	NOTE
1	TRANSISTOR	TR 1	2SC380-0	
2		TR 2	2SC945Q or equivalent	
3		TR 3	2SC945Q or equivalent	
4		TR 4	2SA733Q or equivalent	
5		TR 5	2SC945Q or equivalent	
6		TR 6	2SC945Q or equivalent	
7		TR 7	2SC945Q or equivalent	
8		TR 8	KTA1271 or equivalent	
9		TR 9	KTC3203 or equivalent	
10	DIODE	D 1	680 ohm	
11		D 2	1N4148 or equivalent	
12		D 3	1N4148 or equivalent	
13		D 4	1N4148 or equivalent	
14		D 5	1N4148 or equivalent	
15		D 6	1N4148 or equivalent	
16	RESISTOR	R 1	150K	
17		R 3	680	
18		R 4	2.2K	
19		R 5	470K	
20		R 6	10K	
21		R 7	1K	
22		R 8	330	
23		R 9	2.2K	
24		R10	100K	
25		R11	15K	
26		R12	22K	
27		R13	22K	
28		R14	2.2K	
29		R15	2.2K	
30		R16	100	
31		R17	100	
32		R18	4.7K	
33	CAPACITOR	C 1	10p (C)	
34		C 3	27p (C)	
35		C 4	5p (C)	
36		C 5	4.7 (E. small)	
37		C 6	102 (M)	
38		C 7	0.1 (E. small)	
39		C 8	103 (M)	
40		C 9	223 (M)	
41		C10	100 (E. Dia:6mm)	
42		C11	1 (E)	
43		C12	0.22 (E)	
44		C13	104 (T)	
45		C14	4.7 (E. small)	
46		C15	0.47 (E. small)	
47		C16	103 (C)	
48		C17	100 (E)	
49		C18	473 (C)	
50	INDUCTOR	L 2	SP 3.3uH	
51		L 3	S6.5T	
52	JUMPER	J 1	0 ohm	
53	EXTRA PARTS	EP 1	PCB:NO. RD3210	

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

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

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

(E):Electrolytic, 16WV, $\pm 20\%$ (N):Non pole electrolytic, 16WV, $\pm 20\%$