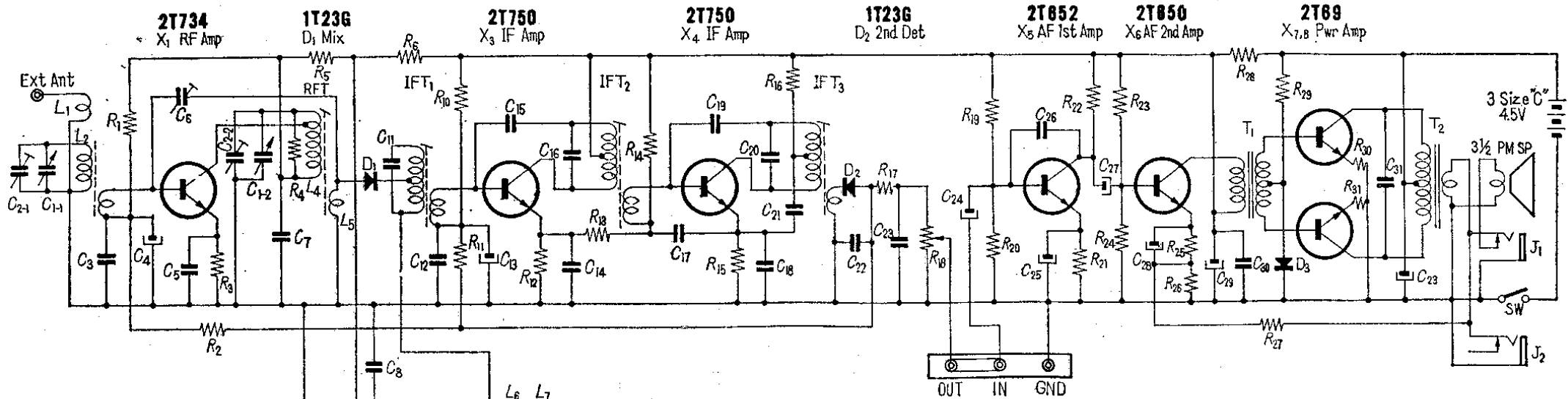


**Model TR84:** Eight-transistor, M.W. (535-1605 kc/s.), portable receiver with R.F. stage and separate local oscillator and diode mixer stage, using three 1.5-volt cells (4.5 volts). No-signal current about 9 mA. I.F. 455 kc/s. All *n-p-n* transistors. (X<sub>1</sub>) 2T734 (2SC73); (X<sub>2</sub>) 2T732 (2SC73); (X<sub>3</sub>) 2T750 (2SC75); (X<sub>4</sub>) 2T750 (2SC75); (X<sub>5</sub>) 2T652

(2SD65); (X<sub>6</sub>) 2T650 (2SD65); (X<sub>7</sub>, 8) 2T69 (2SD69) or 2T31 (2SB31). Diode (D<sub>1</sub>) 1T23G (mixer); (D<sub>2</sub>) 1T23G; (D<sub>3</sub>) thermistor 1T51. Speaker impedance 8 ohms. Approximate value of transistor collector currents: X<sub>1</sub> 180-280 μA.; X<sub>2</sub> 350 μA.; X<sub>3</sub> 300-400 μA.; X<sub>4</sub> 800-900 μA.; X<sub>5</sub> 1.1-1.3 mA.; X<sub>6</sub> 2.1-2.4 mA.; X<sub>7</sub>, X<sub>8</sub> 650 μA.-1 mA.



**2T732**  
X<sub>2</sub> Local OSC

Capacitors.		Resistors.	
C3	0.05	R1	150k
C4	10 (3 v.)	R2	87k
C5	0.005	R3	560
C6	2-20 pF.	R4	150k
C7	0.05	R5	220
C8	0.05	R6	220
C9	0.02	R7	56k
C10	0.002	R8	12k
C11	180 pF.	R9	1k
C12	0.02	R10	56k
C13	10 (3 v.)	R11	5.6k
C14	0.05	R12	470
C15	2 pF.	R13	2.2k
C16	180 pF.	R14	15k
C17	0.02	R15	470
C18	0.02	R16	470
C19	2 pF.	R17	3.3k
C20	180 pF.	R18	5k (pot.)
C21	0.05	R19	15k
C22	0.02	R20	3.3k
C23	0.02	R21	470
C24	10 (3 v.)	R22	1k
C25	30 (3 v.)	R23	10k
C26	0.05	R24	3.3k
C27	10 (3 v.)	R25	330
C28	30 (6 v.)	R26	5
C29	100 (6 v.)	R27	220
C30	0.05	R28	60
C31	0.1	R29	2.2k
C32	100 (6 v.)	R30	5
		R31	5

CIRCUIT DIAGRAM—SONY MODEL TR84