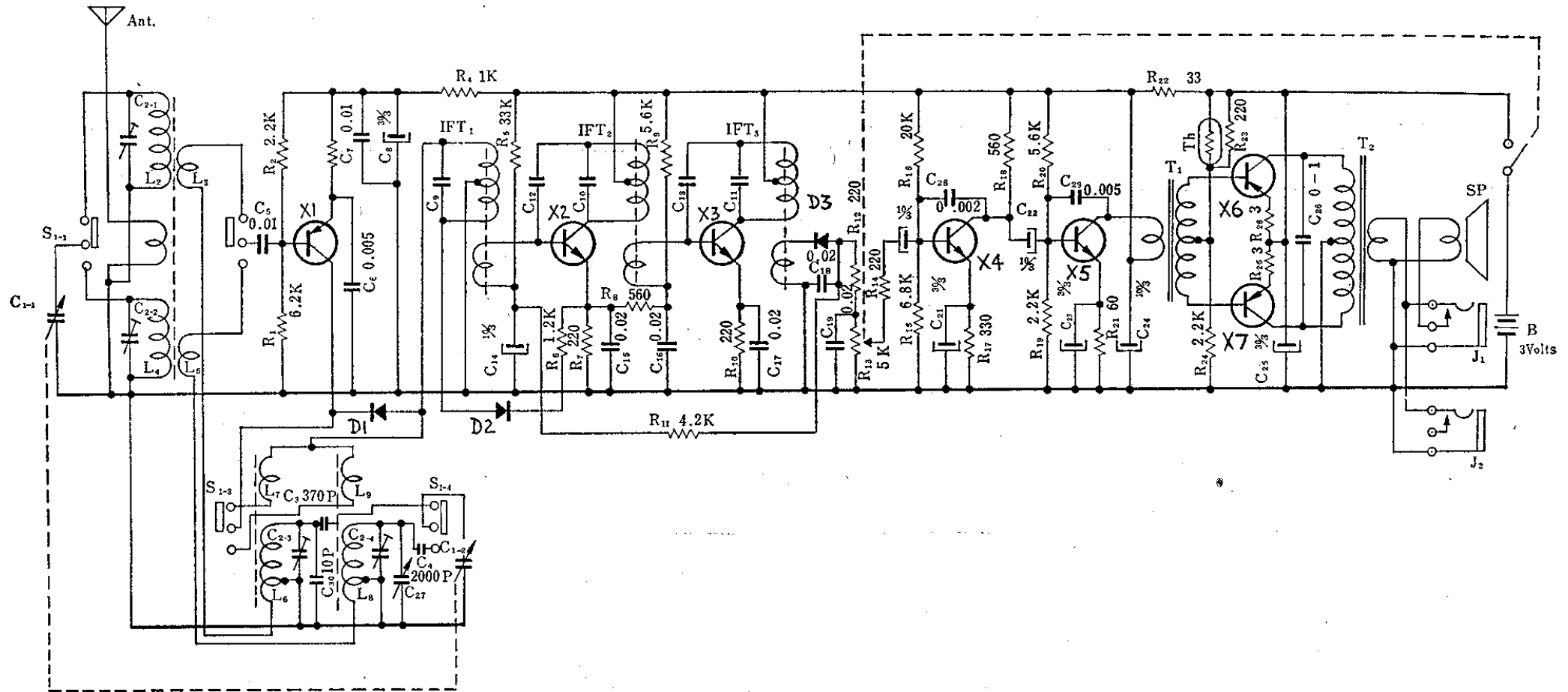


**Models TR716B and TR716Y:** Seven-transistor, two-waveband, small portable receivers using two 1.5-volt cells (3 volts). No-signal current about 14 mA. I.F. 455 kc/s. Both *n-p-n* and *p-n-p* transistors are used: (X1, X6, X7 *p-n-p*; X2-X5 *n-p-n*). (X1) 2T201; (X2) 2T76; (X3) 2T76; (X4) 2T6; (X5) 2T6; (X6, X7) 2T3. Both models cover M.W. 535-1605 kc/s. Model TR716B covers S.W.

3.9-12 Mc/s. Model 716Y covers 6-18 Mc/s. Speaker impedance 8 ohms.

*Diode Functions:* D1 prevents blocking oscillation which tends to take place in the higher frequency range, by limiting amplitude of oscillation. D2 acts to prevent distortion due to excessive input signal when a very strong signal is tuned in.



CIRCUIT DIAGRAM—SONY MODELS TR716B AND TR716Y