

Model No: 70043

CIRCUIT DESCRIPTION

Receiver Circuit

The built in antenna inductively coupled to mixer transistor Q1 and IC1 KA2297D IF amplifier and detector. The detector audio is then routed to audio amplifier Q2, Q3 and Q4. The output of the audio amplifier coupled to speaker.

Transmitter Circuit

Q6 is the crystal oscillator which is modulated by the output of the audio amplifier Q7, Q8 and Q9. The audio input is now from mic, the output of the oscillator is then routed to RF amplifier Q5. The output of the RF amplifier coupled to L6, L2, L1 and antenna for transmitter.

Power and Ground

Energy is supplied by one 9V 6F22 battery. No external ground connection is provided and what ground that's available is from the printed circuit board.