

LOYAL TECHNOLOGY CO.LTD

Model No. 82013

CIRCUIT DESCRIPTION

Receiver Circuit

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

Transmitter Circuit

Q1 is the crystal oscillator which is modulated by the output of the audio amplifier Q2 and Q3. The audio input is now from speaker.

Radio Circuit

The built in antenna inductively coupled to radio IC L57088. L57088 is built in RF amplifier , mixer , detector. The output of L57088 is then routed to audio amplifier Q1 and Q3. The output of the audio amplifier coupled to speaker.

Power and Ground

Energy is supplied by one 9V 6F32 battery. No external ground connection is provided and what ground that's available is from the printed circuit board.