

LOYAL TECHNOLOGY CO.LTD

Model No: TM4653

CIRCUIT DESCRIPTION

Receiver Circuit

The antenna inductively coupled to L1, L2 and mixer transistor Q1 and IC1 KA2297 IF amplifier and detector. The detector audio is then routed to audio amplifier Q6 and Q7. The output of the amplifier coupled to speaker.

Transistor Circuit

Q9 is the crystal oscillator which is modulated by the output of the audio amplifier Q2, Q3 and Q4.

The radio input is now from mic. The RF signal coupled to RF amplifier transistor Q8, The output of the RF amplifier coupled to the flexible antenna.

Power and Ground

Energy is supplied button cell 1.5V x 4pcs LR44 batteries. No external ground connection is provided and what ground that's available is from the printed circuit board.