

Circuit Description

Product: Wireless Head Phone

Model: 50117

In reception mode

1. 49MHz V HF, consisting of ANT, Q101, Q102 and CRYSTAL XD01, is Coupled to IC 101 13 pin of IF amplifier via C111 Capacitance.
2. Thus, IC101 13 PIN is the IF amplifier input terminal. Audio signal, given out from IC11 and amplified by IC 102 power amplifier, turns into sound through speaker.

Antenna and Ground Circuitry:

This unit, making use of an internal antenna which inputs signal through capacitance coupled. powered with DC 3.7 V without external ground. I

In transmission mode

49 MHz oscillator consisting of J1 audio input, J2 micro input and X1 crystal Q1 input is output to Q02 transmitter.

1. Thus, Q02, Q03 and CF1 are combined to be a transmitter to transmit through ANT.
2. J1 audio input and J2 micro input control strength of LED indicator through U1.

Charging circuit consisting of J3, ZD101 and Q101, Q102 provides charging function.

3. Antenna and ground:

The unit, making use of an external retractable 35 cm long antenna, gives out signal through CF1. it works with the ground of circuitry board and without external ground, powered by DC12 V.