

Circuit Description

The 24MHz crystal oscillator drives the base of Y1.

The modulation provided by AC6969D(U1). The output of AC6969D module has the matching network consisting of C1 that limit the harmonic content and effect the proper coupling of the antenna to the output stage.

Antenna, Ground and Power Source

The antenna consists of a 2.4GHz PCB antenna

There is no external ground connection. The ground is only that of the printed circuit board.

Electric current is supplied by a 3.7 Volt primary battery

Feature:

Frequency Range: 2402MHz-2480MHz

Modulation Type: GFSK, $\pi/4$ -DQPSK

Antenna Type: PCB Antenna

Antenna Gain: 2.499dBi

Crystal: 24MHz