

Circuit Description

The 434MHz crystal oscillator drives the base of Q2 the final/buffer amplifier. The modulation provided by IC. The output of Q2 has the matching network consisting of L6 and C8 that limit the harmonic content and effect the proper coupling of the antenna to the output stage.

Antenna, Ground and Power Source

There is no external antenna. There is no external ground connection. The ground is only that of the printed circuit board. Electric current is supplied by a 3 Volt ("AAA" size battery x 2) primary battery.

Operation Descriptions

The transmitter is a thermo transmitter operating at 433.9MHz band. The transmitter is powered by a 3 Volt battery (AAA x 2) and the transmitting frequency is crystal controlled. The operation is achieved by different combinations of form pulse modulating signal on the 433.9MHz carrier frequency.

Remarks:

The transmitter is a **Trigger** transmitter.

The EUT continues to transmit while **Trigger** is being pressed.

It is **Pulse** transmitter, Modulation by **IC**; and type is **Pulse** modulation.