

GENERAL DESCRIPTION OF 4231 :

CIRCUIT DESCRIPTION:

In transmit mode the switch L,R, and F,B is switched so that it is connected to the input of U1 as AF oscillator and C1 for encoder. The output of C1 drive the Q2 & Y1, which modulates the crystal controlled oscillator. The Q1 is modulator & Po amplifier, this oscillator transmitter is harmonic filter by C2 and T1. The antenna is transformer coupled to the oscillator.

ANTENNA AND GROUND CIRCUITRY

This unit make use of a external flexible 15 centimeter long antenna. The antenna is inductively coupled. The unit relies on the ground tract of the printed circuit board. No external ground is provided. Energy is supplied by a 9Volt battery.

BACKGROUND

The Device described herein is a wireless (RF) toy controller transmitter. It has 1 channel of operation in 27.145MHz.. The transmitter has a switch for turn the power on and off . The transmitter has two buttons for control, the Left button is use for drive the receiver unit forward by push the button upward , drive backward by push downward. The Right button is use for drive the receiver unit left steering by push button to left, by pushing the button to right steering the receiving unit to right.