



Echo Toys Ltd.

力圖玩具有限公司

Model No: 60-4306 (49.860MHz)

CIRCUIT DESCRIPTION

In transmit pushing the switch, the transistor Q1 and Q2 output 1KHz signal to modulate the oscillator Q3 which generates the oscillate of 49.860MHz. This oscillator is the transmitter. The antenna is a transformer coupled to the oscillator with the tuning circuit. In receive L1 is tuned on 49.860MHz frequency, Q1 amplify and detect the signal from the antenna. When IC HES3020 receives the 1kHz signal, the pin F & pin B output high level by turns to drive Q2, Q3, Q4, Q5, Q6 & Q7, and make the vehicle go forward or rotate.

ANTENNA AND GROUND CIRCUITRY

This unit makes use of an external flexible 24 centimeters 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 supply with a 9-volt battery.

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