



Echo Toys Ltd.

力圖玩具有限公司

Model No: 60-4307 (27.145MHz)

CIRCUIT DESCRIPTION

In transmit pushing the left switch, the transistor Q1 and Q2 output 1KHz signal to modulate the oscillator Q3 which generates the oscillate of 27.145MHz. This oscillator is the transmitter. The antenna is transformer coupled to the oscillator with the tuning circuit. Similarly, pushing the right switch Q1 and Q2 output 400Hz signal to modulate the oscillator Q3. In receive L1 being tuned on 27.145MHz frequency, the amplifier Q1 amplify and detect the signal from the antenna. When IC PT8A976BW receives the 1kHz signal, make the pin F output to drive Q2. Similarly IC PT8A976BW receives the 400Hz signal, make the pin B output to drive Q3. Finally Q2 or Q3 drive Q4 and Q7 or Q5 and Q6 driving the motor forward or backward.

ANTENNA AND GROUND CIRCUITRY

This unit makes use of an external flexible 27 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.

總寫字樓及陳列室 HEAD OFFICE & SHOWROOM:

香港九龍尖沙咀彌敦道67號華昌中心1108室

6029Y 1108 TERNINGUIN CENTRE, 67 ANGLO ROAD, 99A-99A, T.S.T. COMPLEX, HONG KONG

TEL: 3852 4022

FAX: 3852 2723 / 2114

大埔寫字樓 TAI PO OFFICE:

香港新界大埔, 廣福街45號中區工業中心第一座809室A909

809A-101, 1A TAI PO INDUSTRIAL CENTRE, 45 HING FOO STREET, TAI PO, N.T., HONG KONG

TEL: 3852 2723

FAX: 3852 2943 4028