

## PRODUCT DESCRIPTION

The Equipment Under Test (EUT) is a transmitter portion of a remote control toy car operation at 49.860MHz. A new 9v battery supplies the EUT and the transmission frequency is crystal controlled. There are eight controls buttons on the EUT, once the button is pressed and held, the EUT transmits the RF signal to control the toy car (receiver) to go forward, backward, left and right, or run according to the 4 pre-set path.

Power Source: one new 9V battery.

The brief circuit description is listed in the following:

Q1 and associated circuit act as a carrier oscillator.

Q2 and associated circuit act as a modulator

C7, C8 and L3 act as a RF filter.

U1 is an encoder.

U2 is a program controller.