

Circuit Description for Model 37042 Transmitter

TRANSMITTER:

When the control knob is pressed, a signal is transmitted. The crystal controlled oscillator. Q2 output is coupled through C4 to the base of Q1, and the Q1 is a modulator & RF AMP, the RF signal is coupled through C9 to the LOW PASS FILTER MADE UP OF C10 & L1, L1 connected to the ANTENNA .

THE MODULATION IS PROVIDED BY IC1,

ENERGY IS SUPPLIED BY 3pcs of 1.5VDC AA Battery

GROUND CIRCUITRY:

The unit relies on the ground trace of the printed circuit board. No external ground is provided.

REFERENCE OSCILLATOR:

TX: 49.860MHZ CRYSTAL OSCILLATOR IS USED TO GENERATE THE REFERENCE FREQUENCY.

ANTENNA:

TX antenna is a 78MM copper wire.