

# Transmitter

## Circuit Description

Model: SD-T2DP-C

The 27MHz crystal oscillator drives the base of Q2 the high frequency amplifier. The modulated frequency provided by IC (PIC 46R47). The output of Q1 has the matching network consisting of L1, L2, L3, R1, C0, C1, C2, C3 and C4 that limit the harmonic content and effect the proper coupling of the antenna to the output stage.

## Antenna, Ground and Power Source

The antenna consists of a 74cm long telescoping chrome over brass tubing. There is no external ground connection. The ground is only that of the printed circuit board. Electric current is supplied by a 1X9.0V primary battery.