

Circuit Description

Model: RC-16FF

The 49MHz crystal oscillator drives the base of Q1 the high frequency amplifier. The modulated frequency provided by IC (SL TX2B). The output of Q2 has the matching network consisting of L1, T1, R6, C11, C13, C14 and C10 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 55cm 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 8X1.5V AA alkaline batteries.