

## Circuit description for AEKA50749

This device is a crystal controlled pulse position modulated transmitter. The oscillator consists of the combination of Q1 and X1. Q2 and it's associated circuitry act as a buffer amplifier for the oscillator. The pi filter consisting of L3, L4, C7, and C8 act as a harmonic filter and antenna matching circuit. Modulation is provided by IC1 (TX5C). Energy to this device is supplied by a single 9Volt battery. The antenna is a fixed single element design with the PCB of the transmitter acting as the ground plane.