

## Circuit description for AEKA54027

This device is a crystal controlled pulse position modulated transmitter. The oscillator consists of the combination of Q7 and X1. Q9 and it's associated circuitry act as a buffer amplifier for the oscillator. The pi filter consisting of L3, C19, and C20 act as a harmonic filter and antenna matching circuit. Q1 and Q2 is astable multivibrator. Q3 is one shot pulse generator to generate the signal of CH1. Q4 is one shot pulse generator to generate the signal of CH2. Q5 is one shot pulse generator to generate the signal of CH3. Modulation is provided by CH1, CH2 and CH3 through Q6 and Q8. Energy to this device is supplied by a single 9Volt battery. The antenna is removable 5 elements rod antenna.