

AT500/ 501TX Circuit Description

AT 500TX, AT501TX are combined in two (2) Parts:

1. Low Power Consumption display function: By combining Q1 & Q2 for low power consumption, and Q4 & Q5 with components around to produce oscillating circuit to have the LED flashing.
2. Transmitter function: by a programmed IC (HT-12E) In between pin 15 and 16 on the programmed IC, there is a resistor R9 which produce about 150kHz frequency , and from pin 17 of IC transfer to transistor Q6 (for on/off function). From PNF Y1, transistor Q7, L2, and capacitor C6 to group as oscillating circuit. (Use 433.92MHz frequency), transistor Q8, L1, resistor R15, and Capacitor C8 (RF amplifier), by capacitor C10, to L3 to antenna for out going signal;