

### **The description of XD-4038T (49M) circuit**

XD-4038T remote control emitter adopted DC9V (6F22) battery, when the power supply switcher (SW1) is on, the emission carrier wave frequency oscillating circuit consisted of LED, Q1 (C945), X1 (crystal oscillating 49MHZ) are working, when the any key on the function remote control coding generating circuit is connected to ground, the 8<sup>th</sup> pin of U1 (TX-2) output consecutive data pulse coded signal and arrived high frequency triode Q1 (2N3904) by R1 (15K). High frequency triode Q1 (2N3904) modulates carrier wave oscillating frequency and data pulse coded signal from C6 (47P) into high frequency carrier wave of RF AMPLIFIER, then radiate by emitting antenna in the form of space electromagnetic wave.