

## **DESCRIPTION OF CIRCUIT FUNCTION**

## Circuit Illustration of RF Transmitter

MODEL : TX-20

The TX-20 is a remote control unit transmitting RF by loop antenna in the PCB pattern.

It is operate by SW1 and SW2 ON.

D1, R4 & C5 are IC power circuit and R3 is a fixing resistor for oscillating frequency of IC.

If the IC1 is operated, it will be  $2^{24}$  code combination and is modulated (AM) and transmitted through Q1 (transistor).

C3 is a filter use and the radiating is done by C2 and the transmitting frequency of 310 MHZ is controlled by C1, TC1&loop antenna.

The transmitting frequency is adjustable by TC1 and is transmitting to loop antenna.

C6 & C4 are capacitors for power filter use and L1 is a high-frequency choke coil.

LED1 is a indicating lamp and is connected to the power by series and turning on by the operation of IC1 and Q1.