

## **DESCRIPTION OF CIRCUIT FUNCTION**

## Circuit Illustration of RF receiver

MODEL : P-700

High-frequency receiver circuit is composed of RF input, oscillator with mixing part and OP-Amp.

RF received by antenna is amplified to Q1 through C1 and C2 input part. The composition of Q1 and filter circuit is composed of R1, R2, R3, R4 & R5 and Q2 is amplified by C6 and receiving frequency is confirmed by L1 and C5.

The adjustment of receiving frequency is controlled by L1.

The received RF signal is connected to C2 and mixed after Q2 input.

L2 is a high-frequency choke coil.

The detection of modulation signal is amplified by U3A (of IC) input and C10 filtering through RP.

Amplifying signal is received by U3B (of IC) input through C13 and is forming the frequency wave. Also this signal is operated by input program of U11 (OF IC) of final receiving data through Number 7 pin.