

## **LC-40T Circuit Description**

1. AC power pass through AC Module, converting AC power as DC power (12V), then being converted as DC 5V via 78L05, to supply M board & T board. The circuit protection part of power board is a 1A fuse for current overload, & surge absorbers deployed at Hot & Load line to prevent sudden surge impact.
2. RF IC: modulate MCU output data, amplify the high-frequency signal and send it to the next stage amplify By Q1 Q2.
3. RF Amplifier: Amplify high-frequency signal of 433.92MHz.
4. MATCHING CIRCUIT: modulate RF IC output impedance, made it matching with the antenna network to output maximal power.