433Mhz RF transmitter and receiver kit

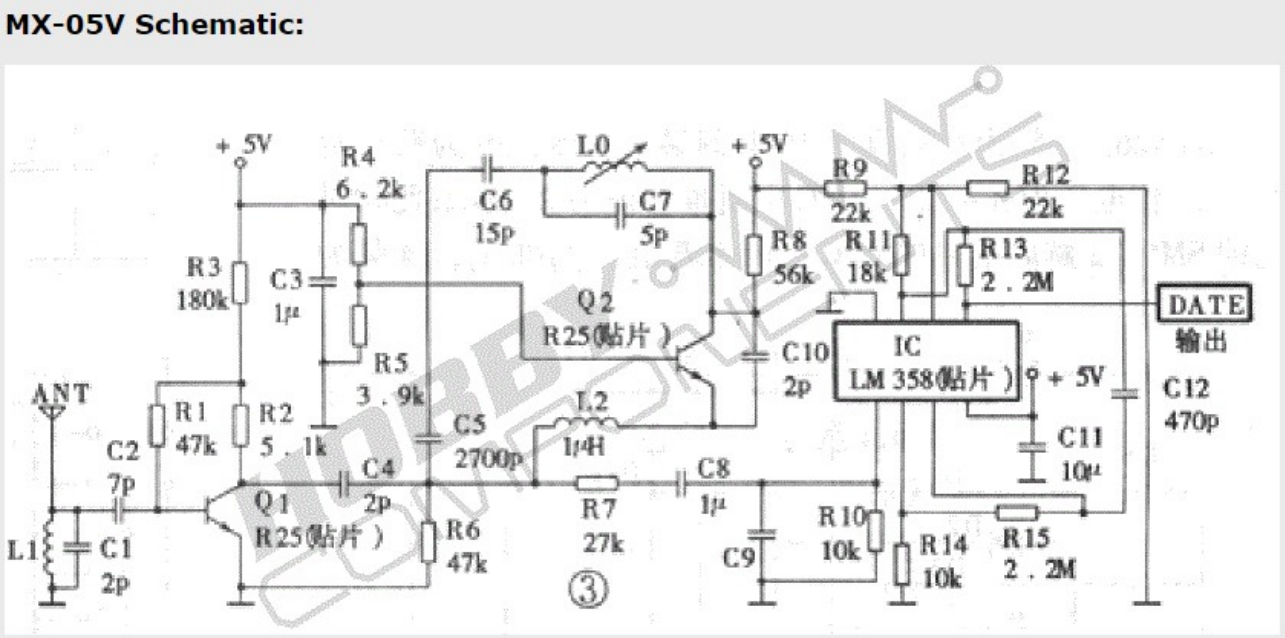
Product information for Arduino

Receiver module parameters

1. Product Model: MX-05V
2. Operating voltage: DC5V
3. Quiescent Current: 4mA
4. Receiving frequency: 433.800 – 433.950 MHz, NOT adjustable
5. Receiver sensitivity:-105DB
6. Size: 30 * 14 * 7mm
7. **External antenna:** 32 cm single core wire, wound into a spiral or just vertical

Diagram:

MX-05V Schematic:



Technical parameters of the transmitter head

1. Product Model: MX-FS-03V
2. Launch distance :20-200 meters (different voltage, different results)
3. Operating voltage :3.5-12V
4. Dimensions: 19 * 19mm
5. Operating mode: AM
6. Transfer rate: 4KB / S
7. Transmitting power: 10mW
8. Transmitting frequency: 433M
9. **External antenna:** 25cm ordinary multi-core or single-core line
10. Pinout from left → right: (DATA; VCC; GND)

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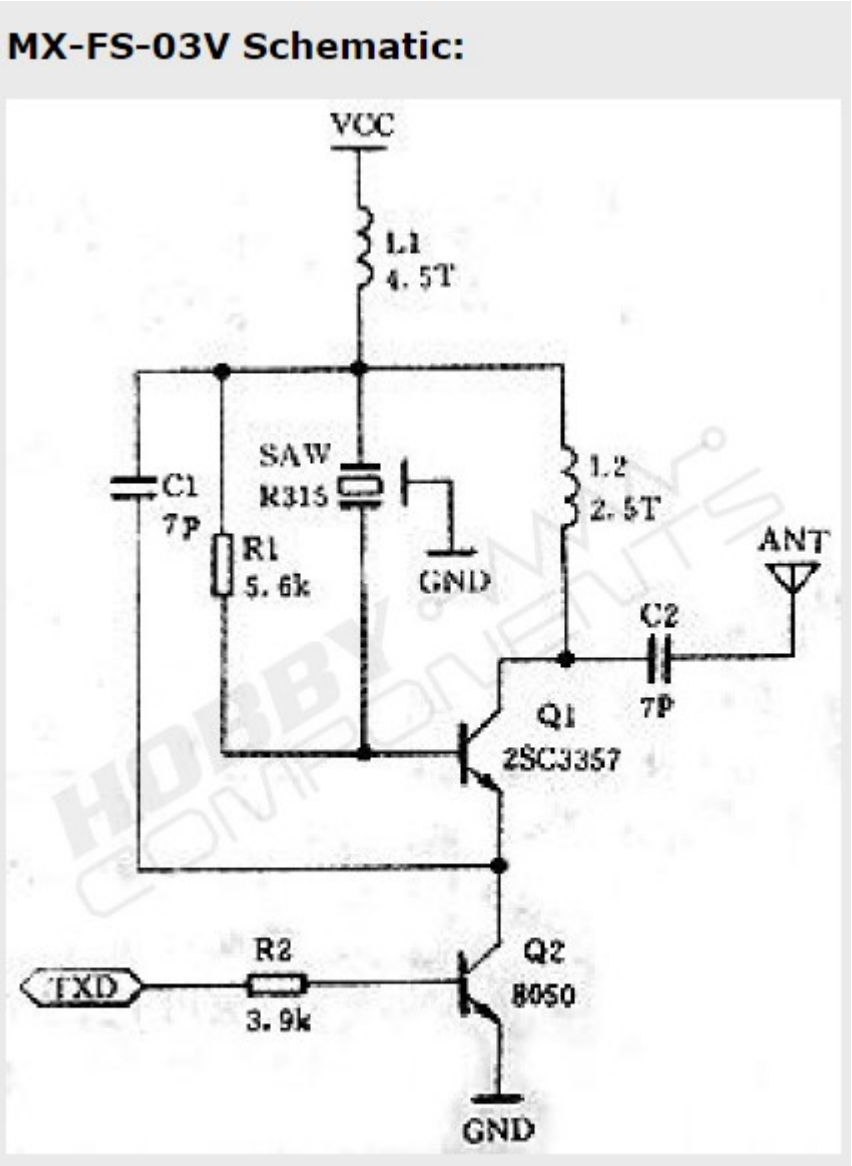
Diagram:

MX-FS-03V Schematic:



Application environment

Remote control switch, receiver module, motorcycles, automobile anti-theft products, home security products, electric doors, shutter doors, windows, remote control socket, remote control LED, remote audio remote control electric doors, garage door remote control, remote control retractable doors, remote volume gate, pan doors, remote control door opener, door closing device control system, remote control curtains, alarm host, alarm, remote control motorcycle remote control electric cars, remote control MP3.

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Remark

1. VCC voltage module operating voltage and good power filtering;
2. Great influence on the antenna module reception, preferably connected to the 1/4 wavelength of the antenna, typically 50 ohm single conductor, the length of the antenna 433M of about 17,31 cm; Resonance Measured: 433,200 MHz
3. Antenna position has also affected the reception of the module, the installation, the antenna as possible straight away from the shield, high pressure, and interference source; frequency used to receive, decode and oscillation resistor should match with the transmitter.