



Beschrijving

Transmitter

Model: RF-02FM

Operating Current: 5-15mA

Operating Voltage: DC 3-6V

Transmission Distance: 5-50m

Transmission Frequency: 88-108MHz

Audio Input: -15dB (max)

PCB Size: 53*40mm

Receiver

- The YFM-2 type radio circuit is very simple.
- The total number of components does not exceed 19.
- Although the number of components is not large, it includes two types of components: SMD and DIP which are suitable for novices and friends who want to practice soldering of SMD components.

Features:

- 1>.Built-in digital automatic gain control (AGC) circuit
- 2>.Support the global frequency band 76-108Mhz
- 3>.DIY manual welding
- 4>.Simple and easy to operate
- 5>.Support radio memory function

Parameter:

- 1>.Item name: FM Stereo Radio Module DIY Kit
- 2>.Item Mode:YFM-2
- 3>.Work Voltage:DC 3V
- 4>.Work Current:19mA

- 5>.Work Frequency:76-108Mhz
- 6>.Output impedance:32ohm
- 7>.Work Temperature:-40°C~85°C
- 8>.Work Humidity:0%~95%RH
- 9>.Size(Installed):57*32*20mm

Applicable:

- 1>.Training welding skills
- 2>.Student school
- 3>.DIY production
- 4>.Project Design
- 5>.Electronic competition
- 6>.Graduation design
- 7>.Crafts collection
- 8>.Home decoration
- 9>.Souvenir collection

Installation Tips:

- 1>.User needs to prepare the welding tool at first.
- 2>.Please be patient until the installation is complete.
- 3>.The package is DIY kit.It need finish install by user.
- 4>.The soldering iron can't touch the components for a long time(1.0 second), otherwise it will damage the components.
- 5>.Pay attention to the positive and negative of the components.
- 6>.Strictly prohibit short circuit.
- 7>.Install complex components preferentially.
- 8>.Make sure all components are in right direction and right place.
- 9>.It is strongly recommended to read the installation manual before starting installation!!!

Installation Steps(Please be patient install!!!):

- 1>.Step 1: Install 1pcs SOP-16 RDA5807PF at U1.There is a dot on one corner of the IC and there is a rectangle pad on PCB where the Pin1 of IC can place on.These two marks are corresponding to each other and are used to specify the installation direction of the IC.
- 2>.Step 2: Install 1pcs 30K ohm Resistor at R1.
- 3>.Step 3: Install 1pcs 0.1uH Inductor at L1.
- 4>.Step 4: Install 2pcs 1uH Inductor at L2,L3.
- 5>.Step 5: Install 1pcs 32.768KHz Crystal Oscillator at Y1.
- 6>.Step 6: Install 1pcs 24pF Ceramic Capacitor at C1.
- 7>.Step 7: Install 1pcs 0.01pF(103) Ceramic Capacitor at C2.
- 8>.Step 8: Install 1pcs 0.022pF(223) Ceramic Capacitor at C3.
- 9>.Step 9: Install 5pcs 6*6*5mm Switch at S1-S5.
- 10>.Step 10: Install 1pcs 100uF 16V Electrolytic Capacitor at C4,C5. Please pay attention to the positive and negative poles. The shorter pin is the negative pole.
- 11>.Step 11: Install 1pcs 3.5mm Audio Jack at J1.
- 12>.Step 12: Connect battery box.Pay attention to positive and negative.
- 13>.Step 13: Use a cable tie to fasten the battery box.
- 14>.Step 14: Connect to power supply and enjoy the effect.

Productinformatie

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