

H3V4F Wireless Receiver

3V/433Mhz

Item Info

General Information

H3V4F is a tuning free, low cost, well intergrated receiver, it is a perfect option for RF RC products. It consists brand new RF IC, features small size, high sensitivity, low power consumption, low second harmonic, and is FCC CE ROHS approval. H3V4F is perfect replacement for traditional super-regenerative and superheterodyne solution.

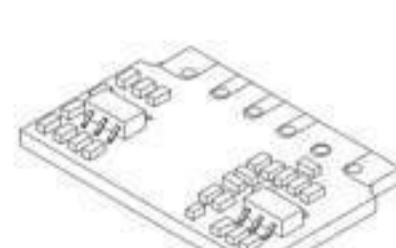
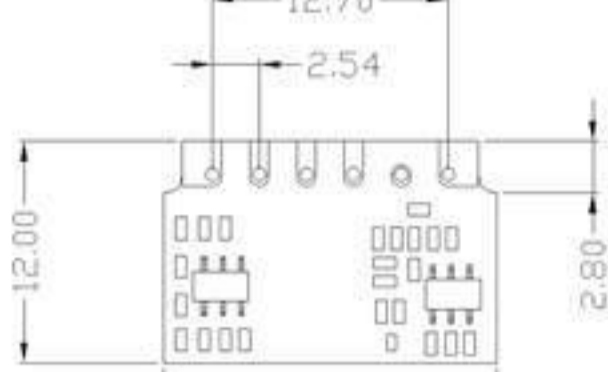


Size compare with a coin

Quick Reference Data

Frequency	433Mhz
Bandwidth	2Mhz
Sensitivity	-102dBm
Supply Current	0.28mA
Modulation	ASK superheterodyne
Supply Voltage	2.7-5.3V

Product Appearance



Pin Description



- ← DAT Data
- ← VCC Power
- ← GND Power Ground
- ← ANT Antenna (wire or spring antenna)

Features

- 1 **Small Size**
18*12*2.1mm
- 2 **High Sensitivity**
-102dBm
- 3 **Low Supply Voltage**
2.7V~5.3V(Typical 3V)
- 4 **Low Power Consumption**
0.28mA
- 5 **Pure Spectrum**
built-in harmonic restraining
- 6 **High Data Rate**
Max 4.8kbps , well fit large data
- 7 **Good performance under different Enviroment**
-20-70 °C
- 8 **Exellent Supply Chain**
Millions items in stock

Applications



[RC TOYS]



[Controller]



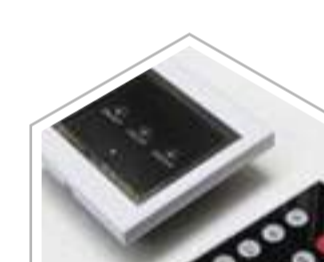
[Alarms and Security]



[Anti-Lost Alarm Device]



[RC Switch]



[Romote Controller]



[Home Automation]



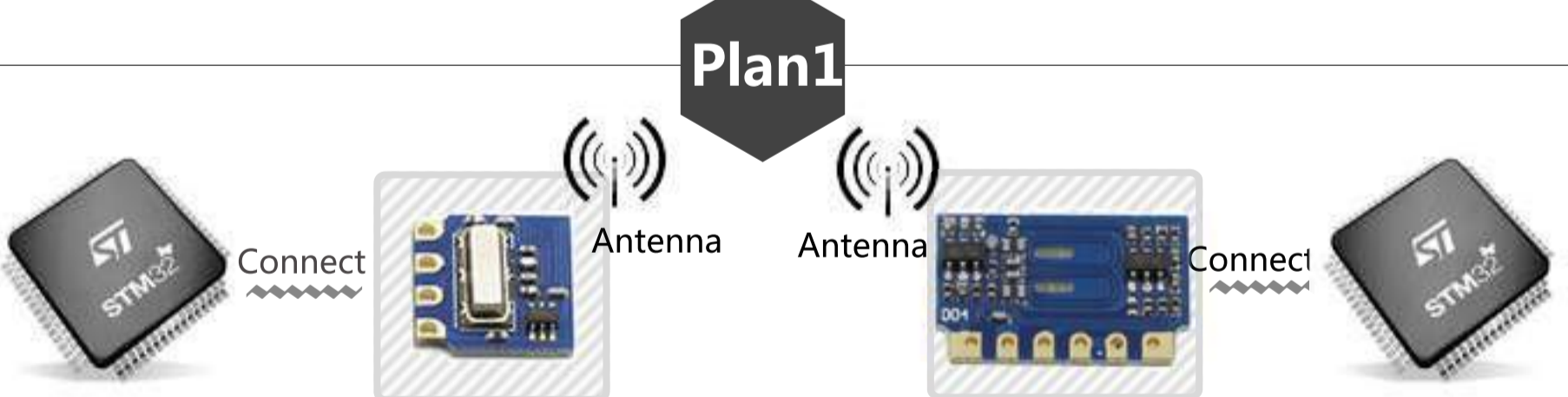
[Anti Thief Alarms]

Parameter

Parameter	Min	Typical	Max	Unit
Supply Voltage	2.7	3	5.3	V
Working Temperature	-20	25	+70	°C
Supply Current		0.28		mA
Receive Bandwidth		2		MHz

Connection Type

Plan1



Plan2



Notice: Recommend Plan 2, easy set up and long distance, plan 1 requires programming for coding/decoding.

Attentions

- 1 DAT pin compatible with CMOS, directly connect to decode chip or SCM.
- 2 Operates at 433MHZ, Supply voltage at typical 3V
- 3 Work with Antenna : A.wire antenna: 17cm wire or 4cm wire
B.433Mhz spring antenna
- 4 Receive module only , decode chip or SCM decode is needed while use

Best option for Smart Doorbell, Home Automation

0.28mA , small size and low cost

lastest version RF receiver IC

- High Sensitivity -102dBm
- Special FR4 material.out perform normal PCB
- 2mm in thickness,easy for assembly
- Compatible with many decode chip