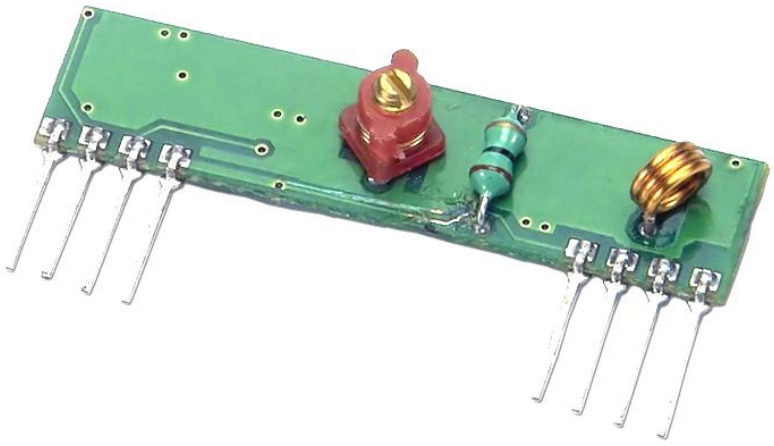
RWS-371 RF MODULE Series

Wireless Hi Sensitivity Receiver Module (RF ASK)

WENS Confidential
Do Not Dis



Version History

Version	Date	Changes
V1.01	Feb. 1, 2004	1st. Edition
V1.02	Jul. 2, 2008	2nd. Edition
V1.03	Dec. 28, 2008	3rd. Edition

Model: RWS-371-6

- Frequency Range: 433.92MHz
- Modulate Mode: ASK
- Circuit Shape: LC
- Date Rate: 4800 bps
- Selectivity: -108 dBm
- Channel Spacing: ±500KHz
- Supply Voltage: 5V
- High sensitivity passive design
- Simple to apply with low external count

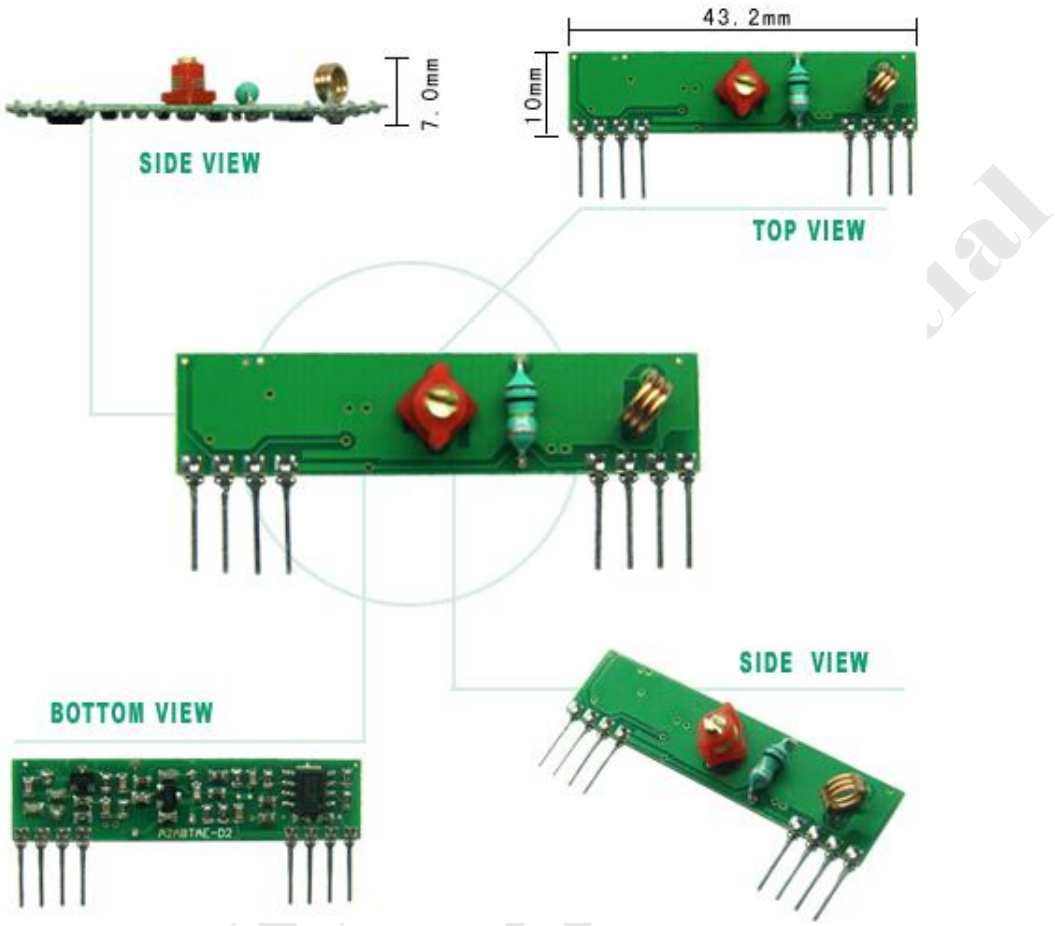
Electrical Characteristic

Characteristic	Sym	Min	Type	Max	Unit
Operating Radio Frequency	FC	433.420	433.920	434.420	MHz
Sensitivity	Pref.	-106	-108	-110	dBm
Channel Width		-500		+ 500	KHz
Noise Equivalent BW	NEB		5	4	
Baseboard Data Rate				3	KB/S
Receiver Turn On Time				3	ms

DC Characteristic

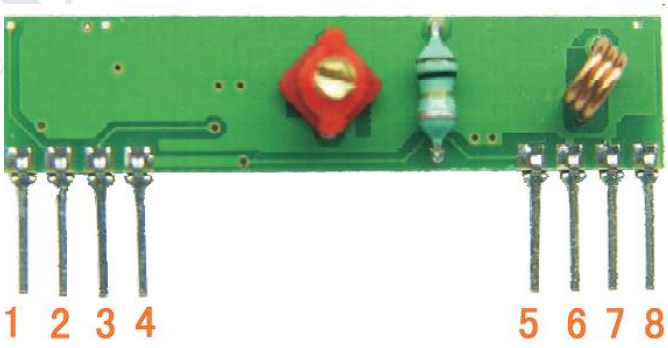
Symbol	Parameter	Condition	Min	Type	Max	Unit
Vcc	Operating Supply Voltage		4.9	5	5.1	
I Tot	Operating Supply Voltage			4.5		
V Data	Data Out	1 Data = +200uA (High)	Vcc -0.5	Vcc		V
		1 Data = -10uA (Low)			0.3	V

Size

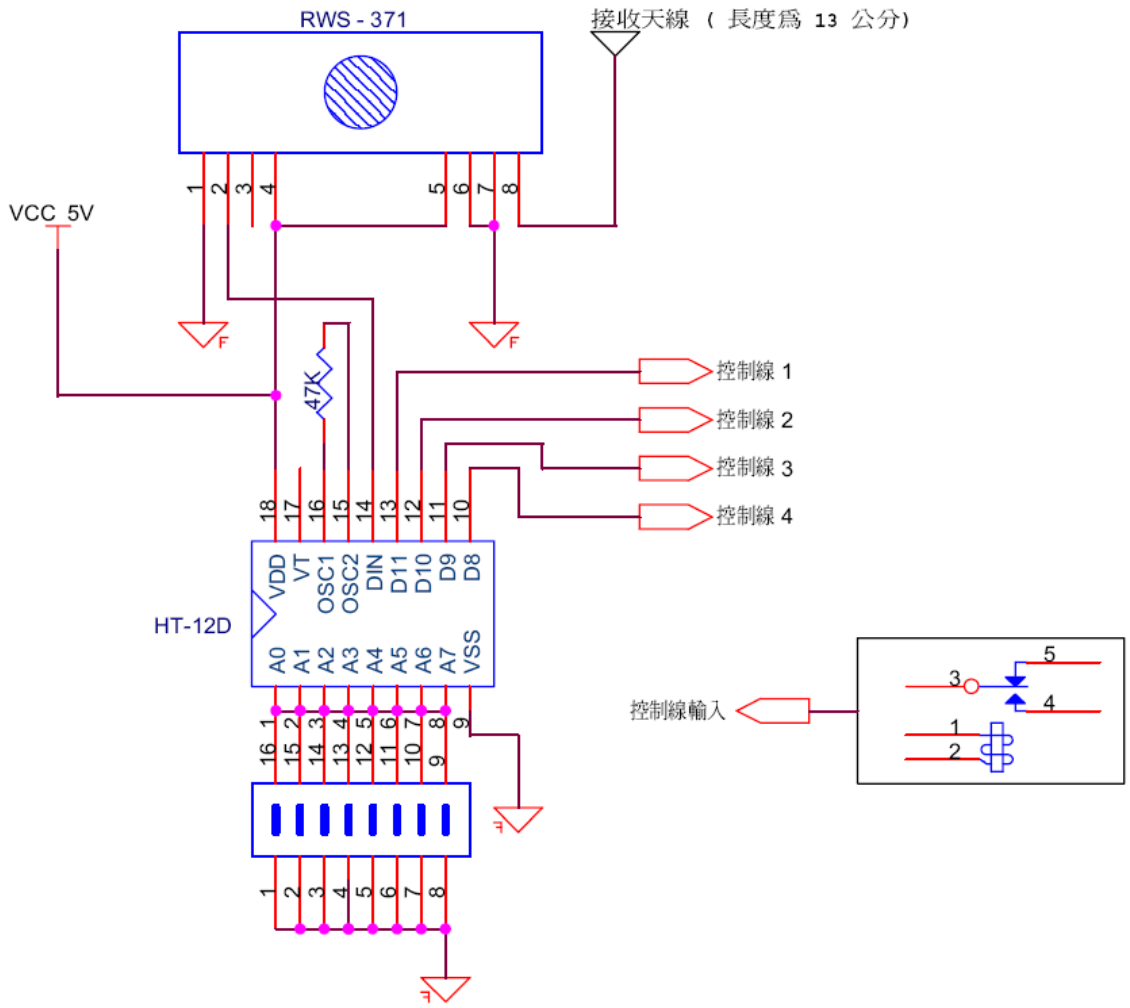


Pin Assignment

Pin	Function
1	GND
2	Digital Output
3	Linear Out
4	VCC
5	VCC
6	GND
7	GND
8	ANT(About 13cm)



Demo Circuit



WE
Do Not