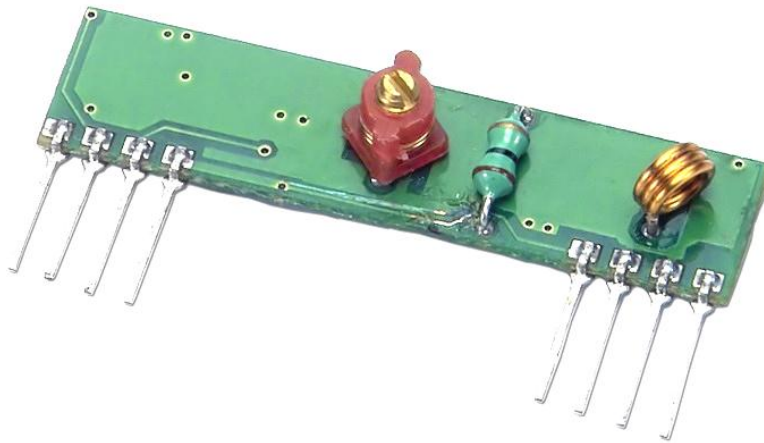

Wireless Hi Sensitivity Receiver Module (RF ASK)

**Version History**

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

Model: RWS-371-5

- Frequency Range: 418MHz
- Modulate Mode: ASK
- Circuit Shape: LC
- Data Rate: 4800 bps
- Selectivity: -108 dBm
- Channel Spacing: ± 500 KHz
- Supply Voltage: 5V
- High sensitivity passive design
- Simple to apply with low external count

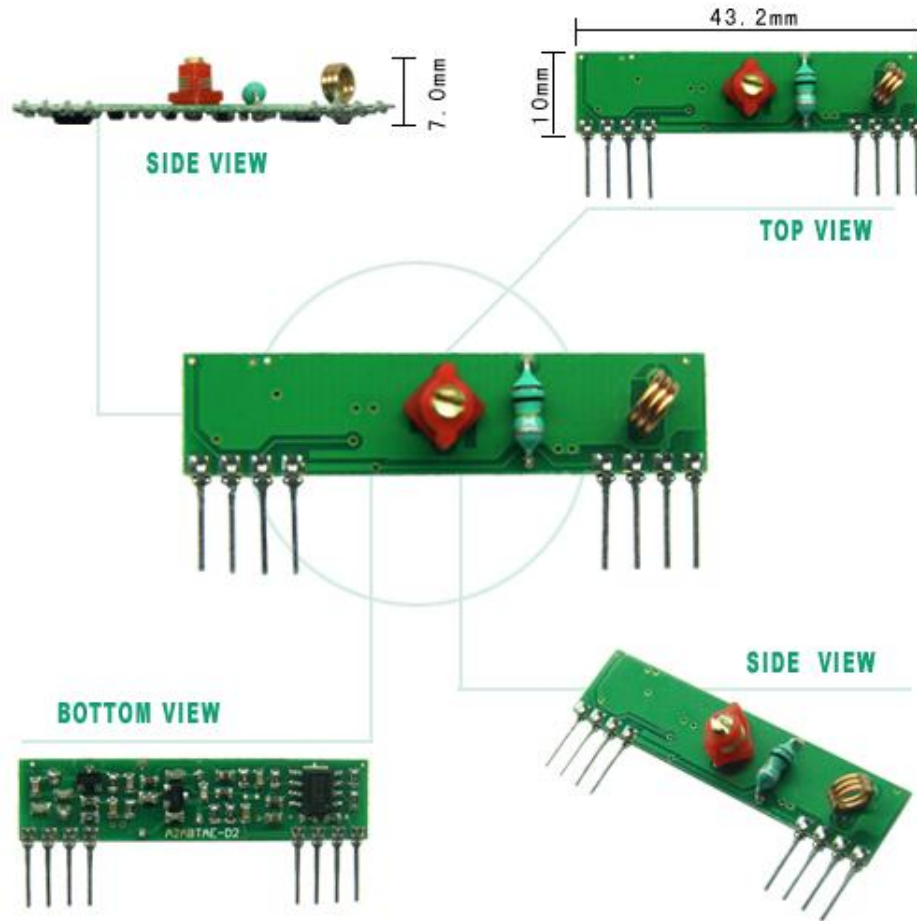
Electrical Characteristic

Characteristic	Sym	Min	Type	Max	Unit
Operating Radio Frequency	FC	417.500	418.000	418.500	MHz
Sensitivity	Pref.	-106	-108	-110	dBm
Channel Width		-500		+ 500	KHz
Noise Equivalent BW	NEB		5	4	
Baseband Data Rate				3	KB/S
Receiver Turn On Time				3	ms

DC Characteristic

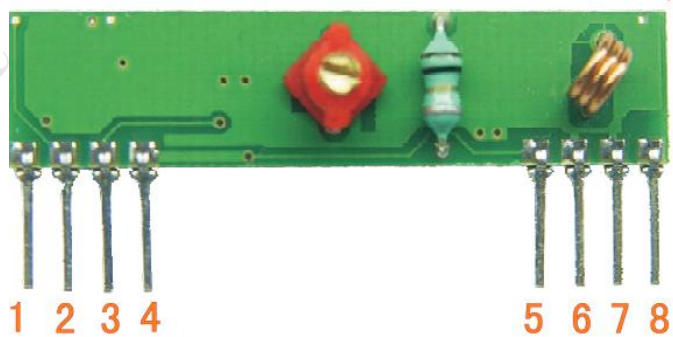
Symbol	Parameter	Condition	Min	Type	Max	Unit
Vcc	Operating Supply Voltage		4.9	5	5.1	
I Tot	Operating Supply Voltage			4.5		
V Data	Data Out	1 Data = +200uA (High)	Vcc -0.5	Vcc		V
		1 Data = -10uA (Low)			0.3	V

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

