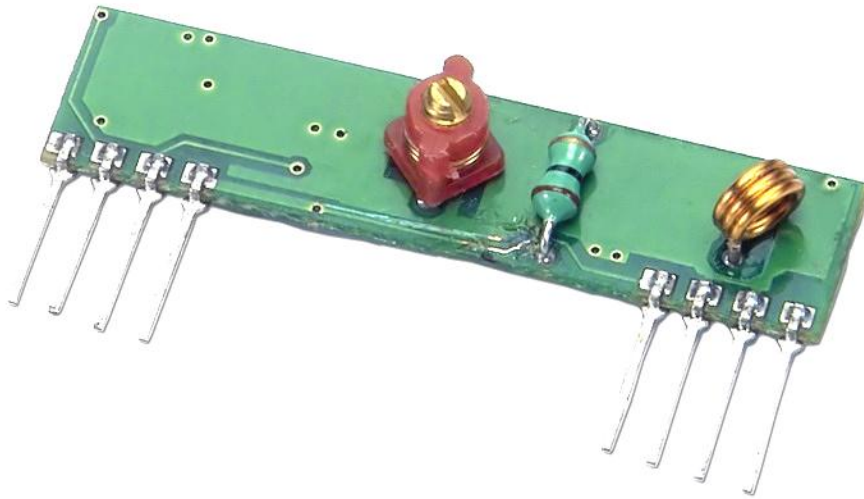


# RWS-371 Series WENSHING®

V1.02

## Wireless Hi Sensitivity Receiver Module (RF ASK)



### ➤ **Model: RWS-371-3 (315MHz)**

- \*Frequency Range: 315MHz
- \*Modulate Mode: ASK
- \*Circuit Shape: LC
- \*Data Rate: 4800 bps
- \*Selectivity: -108 dBm
- \*Channel Spacing:  $\pm 500\text{KHz}$
- \*Supply Voltage: 5V
- \* High sensitivity passive design.
- \*Simple to apply with low external count.

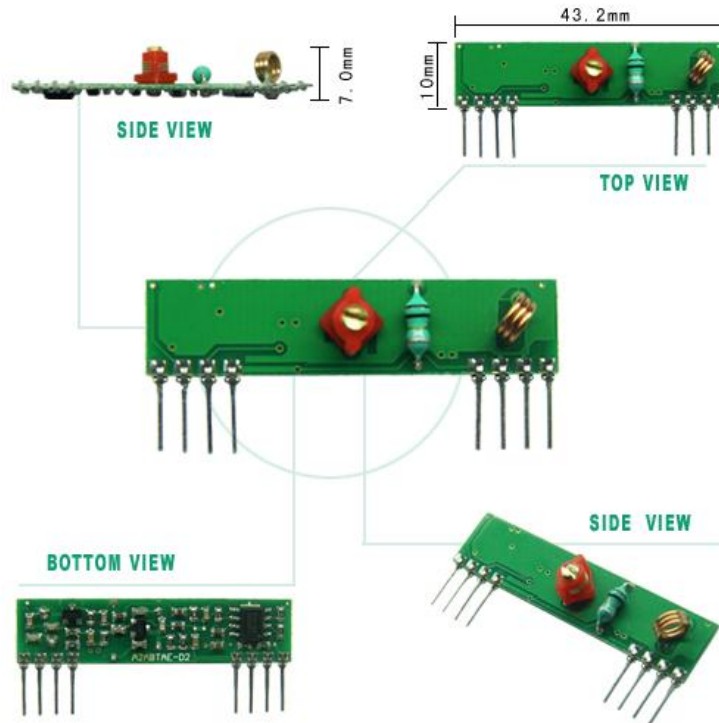
➤ **Electrical Characteristics :**

Characteristics	Sym	Min	Typ	Max	Unit
Operating Radio Frequency	FC	314. 5	315	315. 5	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

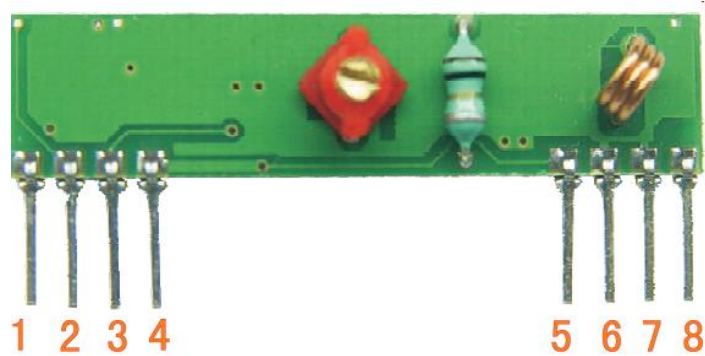
➤ **DC Characteristics :**

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

➤ **Size:**



➤ **Pin Assignment:**



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

➤ **Demo Circuit:**

