Wireless Hi Sensitivity Receiver Module (RF ASK)



WENSHING Confidential
Do Not Distribute

Version History

Version	Date	Changes
V1.01	Apr.4, 2008	1st. Edition

Model : RWS-375-3

- Frequency Range: 315MHz
- Modulate Mode: ASK
- Circuit Shape: LC
- Date Rate: 4800bps
- Selectivity: -108dBm
- Channel Spacing:±500KHz
- Supply Voltage: 5V
- High Sensitivity Passive Design.
- Simple To Apply with Low External Count

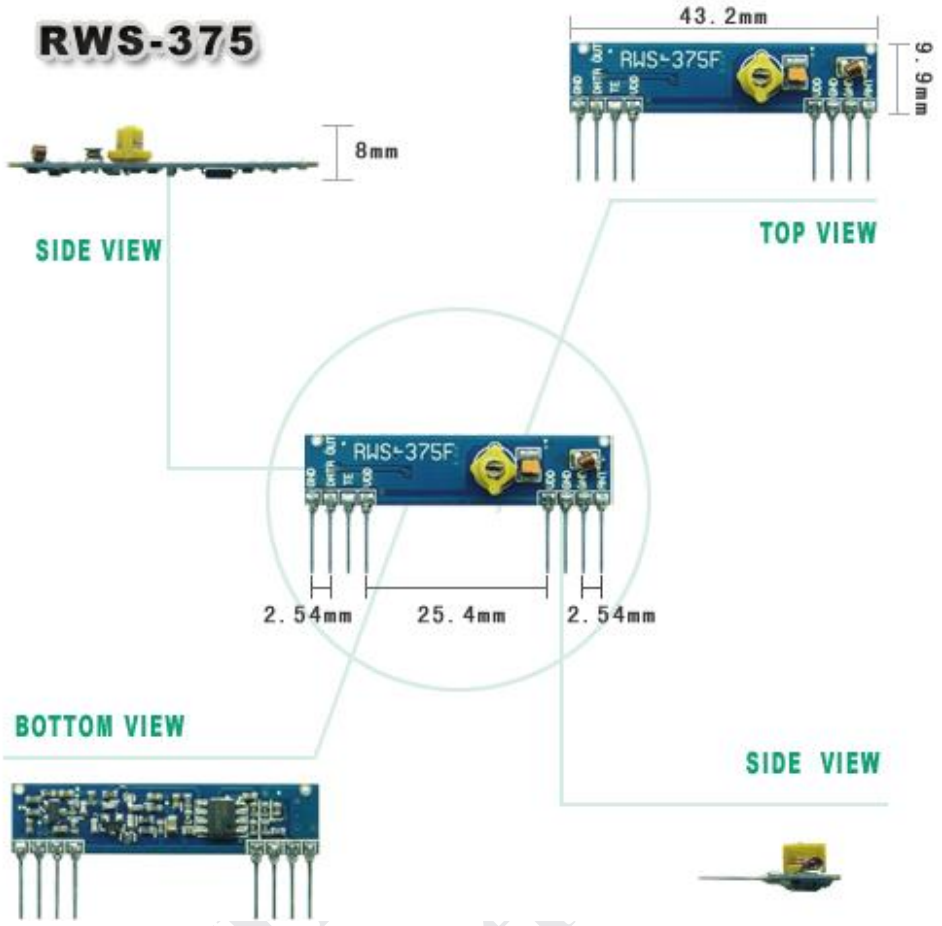
Electrical Characteristic

Characteristic	Sym	Min	Type	Max	Unit
Operating Radio Frequency	FC	314.500	315.00	315.500	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

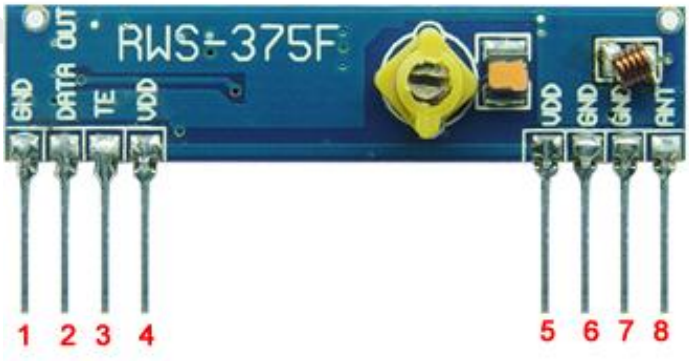
Symbol	Parameter	Condition	Min	Type	Max	Unit
Vcc	Operating Supply Voltage		4.9	5	5.1	
I Tot	Operating Supply Voltage			4.5		
V Data	Data Out	1 Data=+200uA (High)	Vcc -0.5	Vcc		V
		1 Data=-10uA (Low)			0.3	V

Size

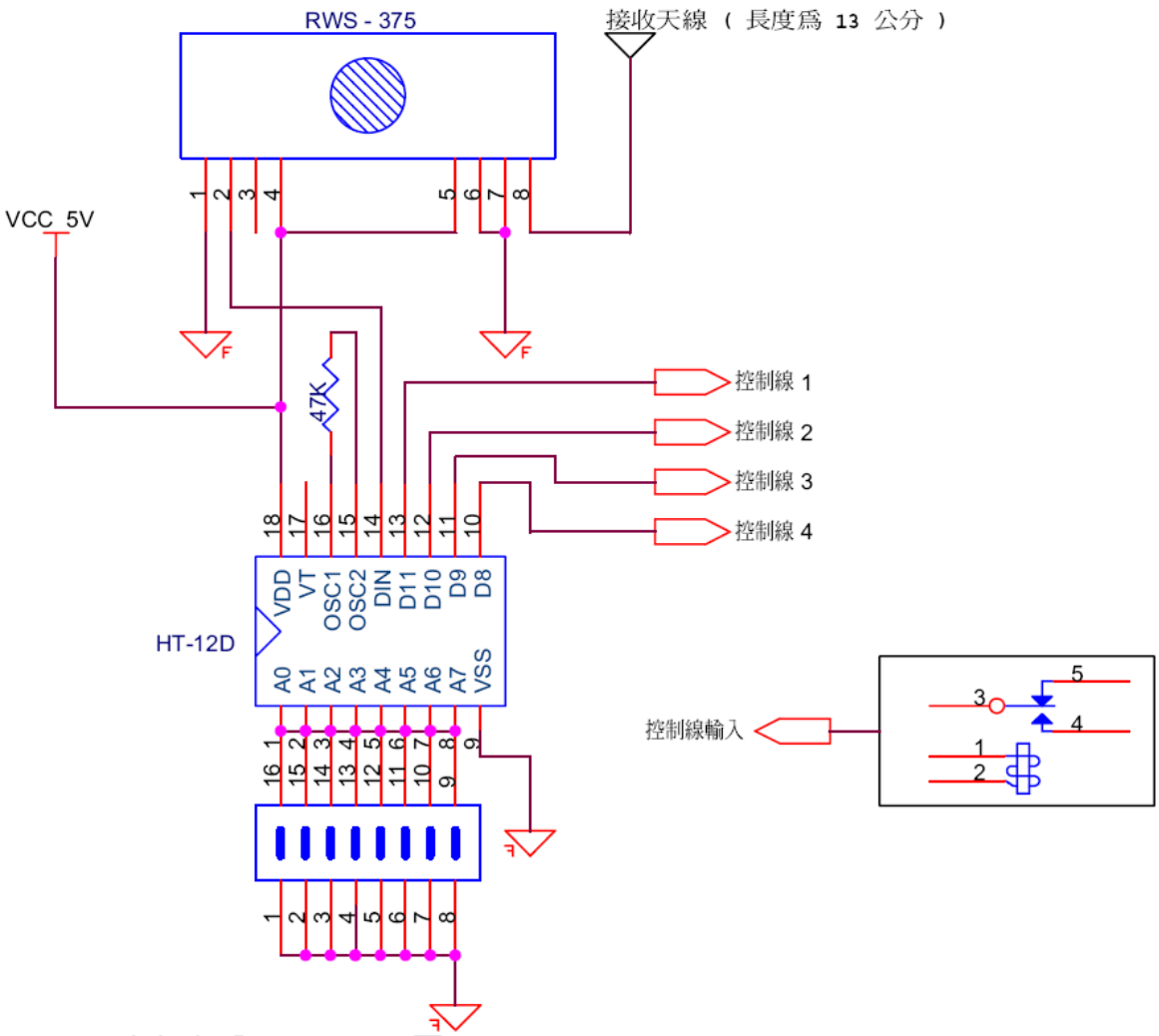


Pin Assignment

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