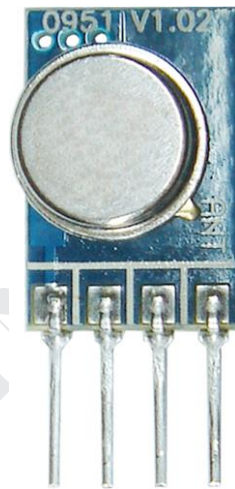

Wireless Hi Power Transmitter Module (RF ASK)



Version History

Version	Date	Changes
V1.01	Mar. 01, 2002	1 st . Edition
V1.02	Jul. 05, 2008	2 nd . Edition
V1.03	Oct. 20, 2010	3 rd . Edition

Model : TWS-BS-2

- Frequency Range: 310MHz
- Modulate Mode: ASK
- Circuit Shape: SAW
- Data Rate: 8Kbps
- Supply Voltage: 1.5~12V
- Output Power : 14dBm
- Working temperature: -20~+85°C
- Solder temperature: 230°C (10 seconds).
- High sensitivity is designed.

Application

● Wireless Data Transmission	● Wireless Game Pad
● Remote Control	● Wireless Toys
● Car Key	● Home Automation
● AMR- Automatic Meter Reading	● Remote Keyless Entry

Absolute Maximum Rating

Rating	Value	Unit
Power Supply and All Input/ Output Pins	-0.3~+12.0	V
Non-Operating Case Temperature	-20~+85	°C
Soldering Temperature(10 seconds)	230	°C

Electrical Characteristic

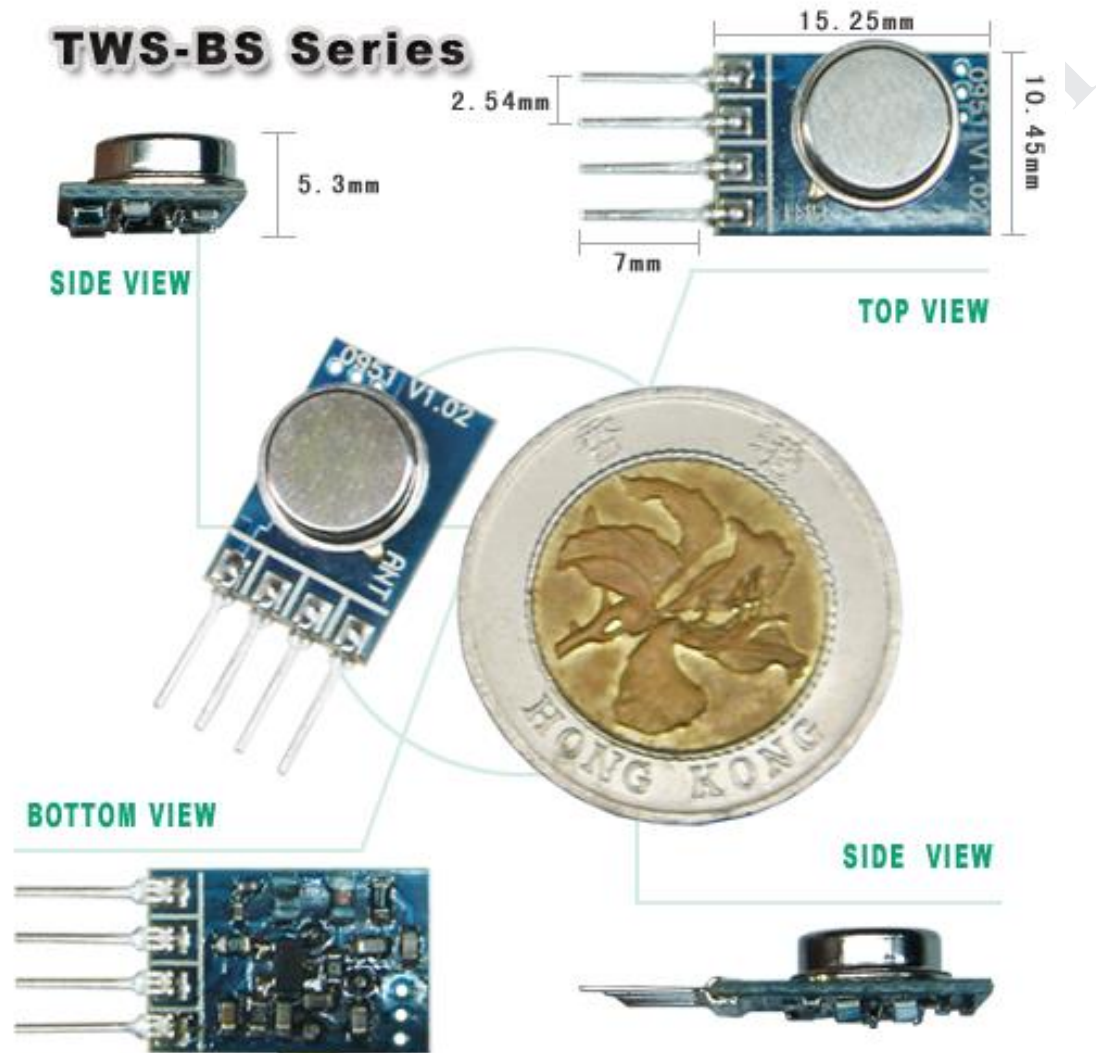
Characteristic	Min	Type	Max	Unit
Operating Frequency ($\pm 250\text{KHz}$)	309.75	310.00	310.25	MHz
Data Rate			8	Kbps
Current Consumption			8	mA
Output Power			32	mW
Operating Voltage	3		12	VDC
Operating Ambient Temperature	-20		+85	$^{\circ}\text{C}$

Pin Assignment

Pin	Function
1	GND
2	Data in
3	Vcc
4	ANT



Size



Demo Circuit

