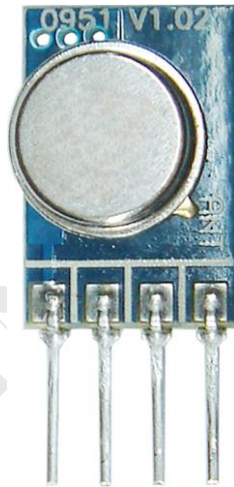


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**Wireless Hi Power Transmitter Module (RF ASK)**

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**Version History**

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

## Model : TWS-BS-4

- Frequency Range: 318MHz
- 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

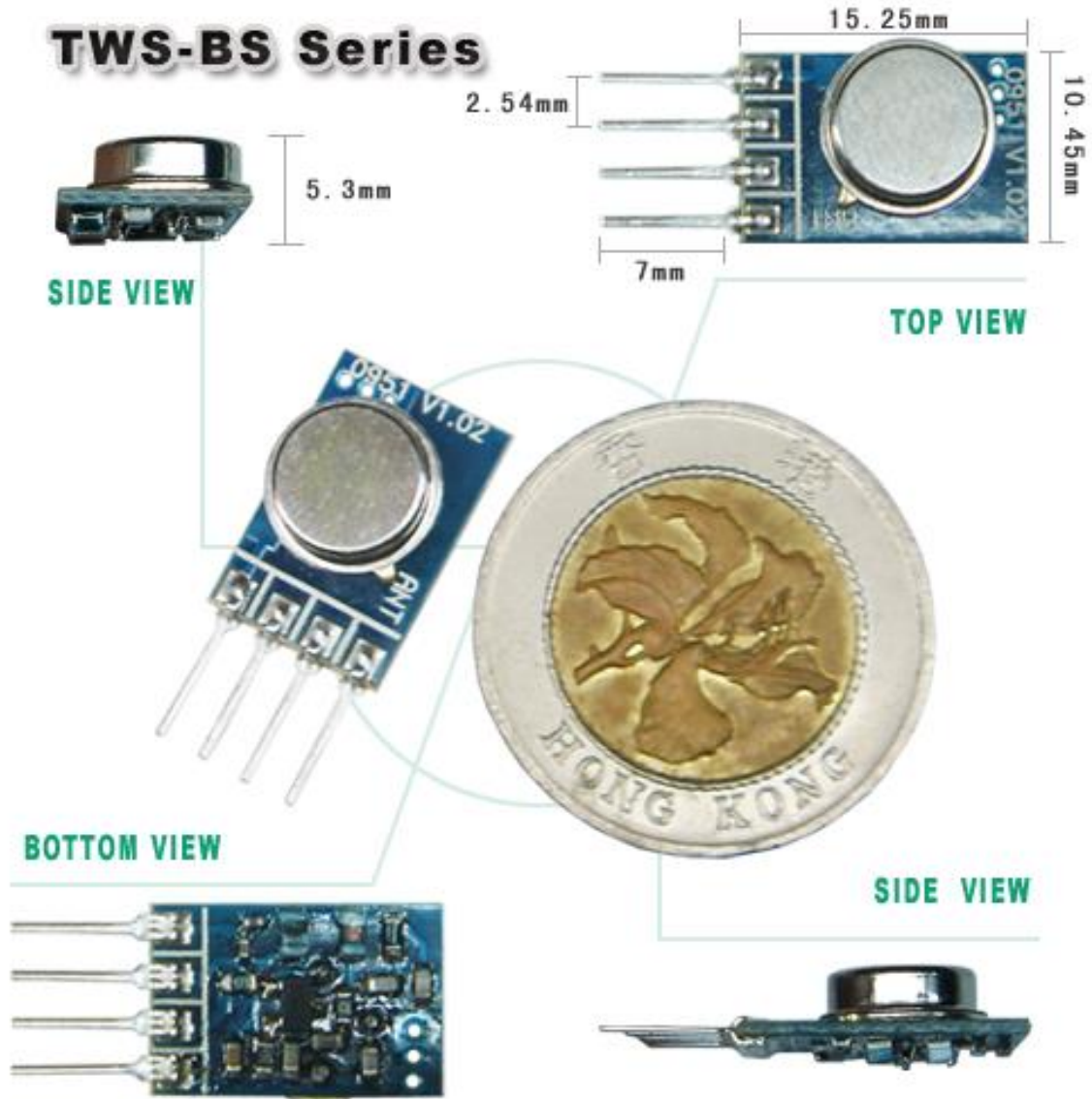
Characteristic	Min	Type	Max	Unit
Operating Frequency ( $\pm 250\text{KHz}$ )	317.75	318.00	318.25	MHz
Data Rate			8	Kbps
Current Consumption			8	mA
Output Power			32	mW
Operating Voltage	3		12	VDC
Operating Ambient Temperature	-20		+85	$^{\circ}\text{C}$

## Pin Assignment

Pin	Function
1	GND
2	Data in
3	Vcc
4	ANT



## Size



## Demo Circuit

