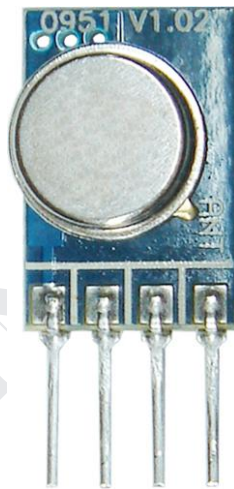

Wireless Hi Power Transmitter Module (RF ASK)

**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 nd . Edition |

Model : TWS-BS-6

- Frequency Range: 315MHz
- 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 ($\pm 250\text{KHz}$) | 314.75 | 315.00 | 315.25 | MHz |
| Data Rate | | | 8 | Kbps |
| Current Consumption | | | 8 | mA |
| Output Power | | | 32 | mW |
| Operating Voltage | 3 | | 12 | VDC |
| Operating Ambient Temperature | -20 | | +85 | $^{\circ}\text{C}$ |

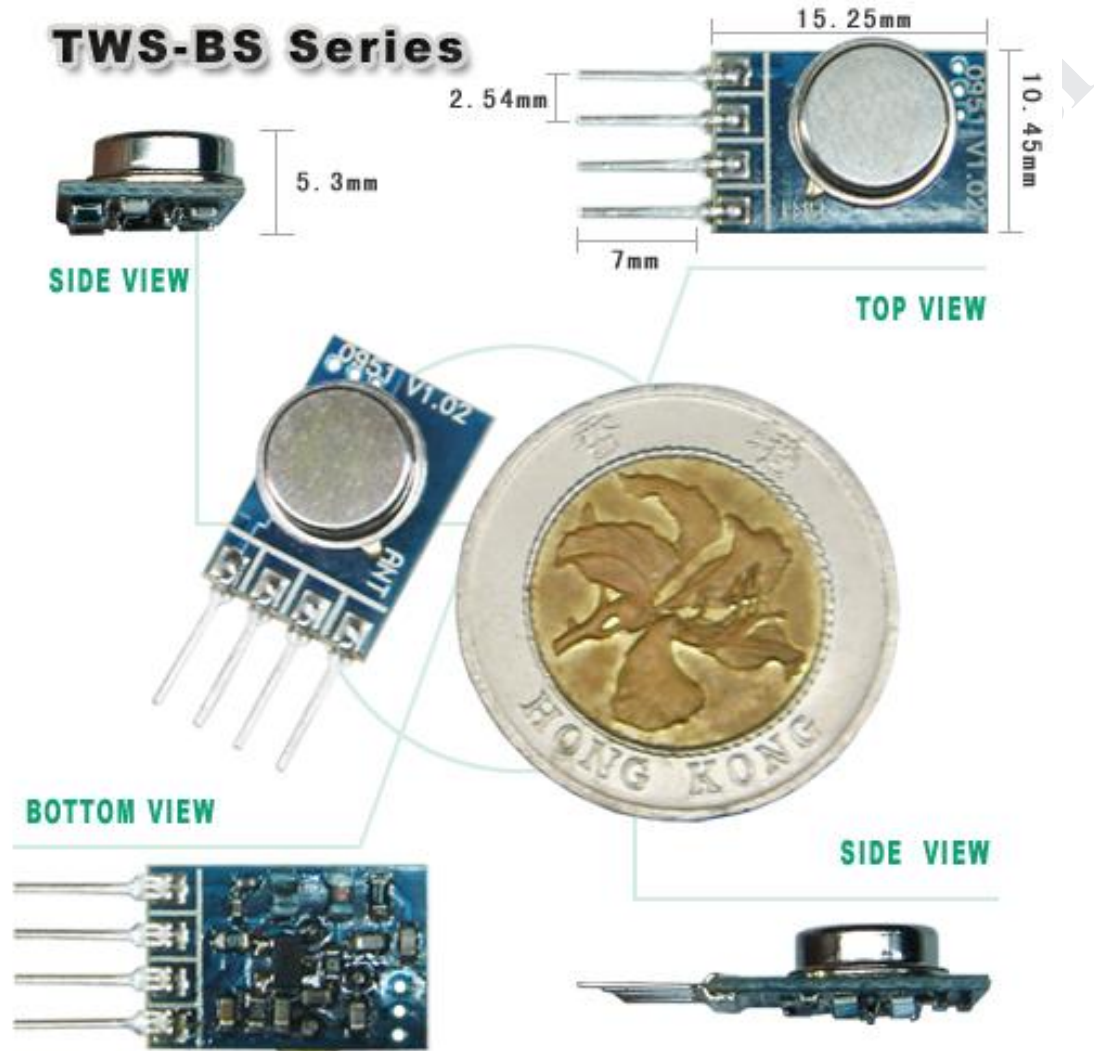
Pin Assignment

| Pin | Function |
|-----|----------|
| 1 | GND |
| 2 | Data in |
| 3 | Vcc |
| 4 | ANT |



1 2 3 4

Size



W
Do N

Demo Circuit

