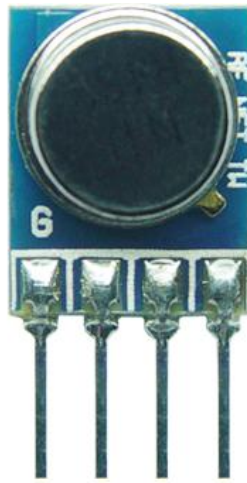

Wireless Hi Power Transmitter Module (RF ASK)



Version History

Version	Date	Changes
V1.01	May.20, 2009	1 st . Edition

Model : TWS-DS-3

- Frequency Range: 433.92 MHz
- Modulate Mode: ASK
- Circuit Shape: SAW
- Data Rate: 8Kbps
- Supply Voltage: 1.5~12V
- Electric Current: 23mA (5V) ; 40mA (9V) ; 53mA (12V)
- Power: 10dBm (5V) ; 14.5dBm (9V) ; 16.6dBm (12V)
- Working temperature: -40 ~ +75°C
- Solder temperature: 230°C (10 seconds)
- High sensitivity is designed

Application

● Wireless Keyboard and Mouse	● Wireless Game Pad
● Remote Control	● Wireless Toys
● CAR KEY	● Home Automation
● AMR- Automatic Meter Reading	● Remote Keyless Entry

Absolute Maximum Rating

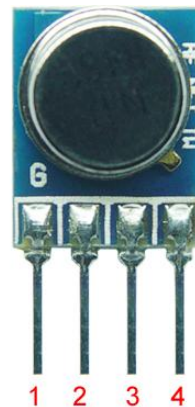
Rating	Value	Unit
Power Supply and All Input/Output Pins	-0.3 ~ +12.0	V
Non-Operating Case Temperature	-40 ~ +75	°C
Soldering Temperature(10 seconds)	230	°C

Electrical Characteristic

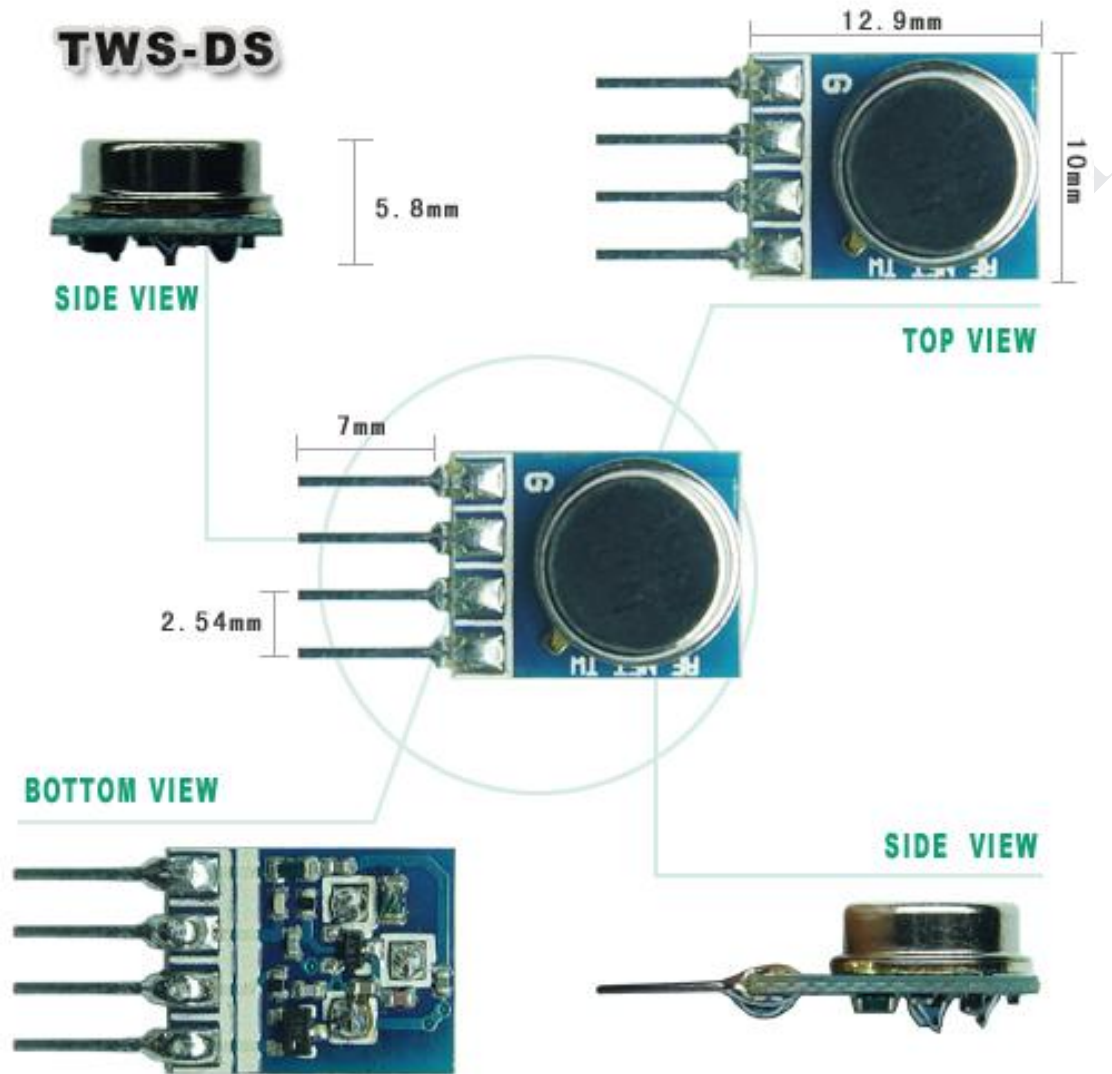
Characteristic	Sym	Min	Type	Max	Unit
Operating Frequency ($\pm 300\text{KHz}$)	Vcc	433.62	433.92	434.22	MHz
Data Rate	ASK			8	Kbps
Transmitter Performance(OOK@2.4Kbps)					
Peak Input Current,12 Vdc Supply	ITP			53	mA
Peak Output Power (16.6dBm)	PO		10	40	mW
Turn On/ Turn Off Time	T ON/ T OFF			40	US
Power Supply Voltage Range	Vcc	1.5		12	Vdc
Operating Ambient Temperature	TA	-40		+75	°C
Tx Antenna Out (3V) +2.4dBm	Vcc				mA

Pin Assignment

Pin	Function
1	GND
2	Data In
3	VCC
4	ANT



Size



Demo Circuit

DEMO Operating voltage 2V~6V

