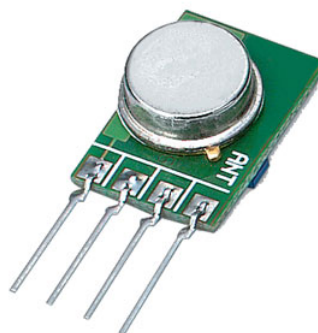

Transmitter Module Systems (RF ASK)

**Model: TWS-BS-4 (418 MHz)**

- *Frequency Range: 418 MHz
- *Modulate Mode: ASK
- *Circuit Shape: SAW
- *Data Rate: 8kbps
- *Supply Voltage: 3~12V
- *Power Supply and All Input / Output Pins: -0.3 to +12.0V
- *Non-Operating Case Temperature: -20 to +85 °C
- *Soldering Temperature (10 Seconds) : 230 °C (10 Seconds)

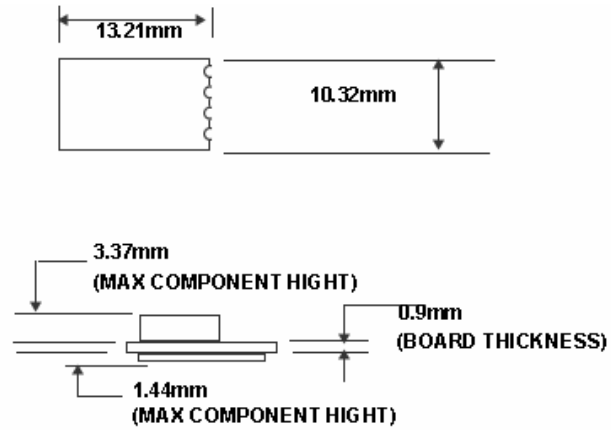
Absolute Maximum Ratings:

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

Electrical Characteristics, T=25°C , Vcc=3.6v, Freq=418MHz:

Characteristic	Sym.	Min.	Typ.	Max.	Unit
Operating Frequency (±300KHz)	VCC		418		MHz
Data Rate	ASK			8K	Kbps
Transmitter Performance(OOK@2.4kbps)					
Peak Input Current,12 Vdc Supply	ITP			45	mA
Peak Output Power	PO		10		mW
Turn On/ Turn Off Time	T ON/T OFF			1	US
Power Supply Voltage Range	VCC	3		12	VDC
Operating Ambient Temperature	TA	-20		+85	°C
Tx Antenna Out (3V) +2.4dB	VCC				mA

◆Size:



◆Pin Assignment:



pin 1:GND
pin 2:Data in
pin 3:VCC
pin 4:ANT

◆Demo Circuit Diagram:

