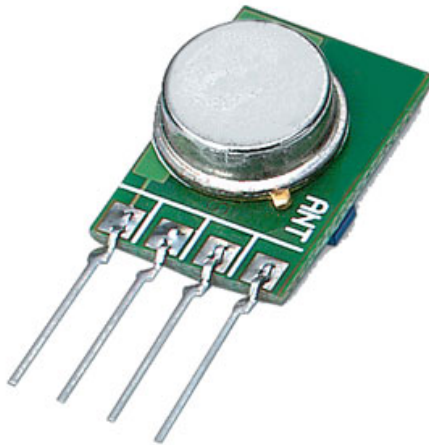


WENSHING® TWS-BS Series

Transmitter Module Series (RF ASK)



■ Model : TWS-BS-6(315MHz)

*Frequency Range: 315 MHz

*Modulate Mode: ASK

*Circuit Shape: SAW

*Data Rate: 8kbps

*Supply Voltage: 3~12V

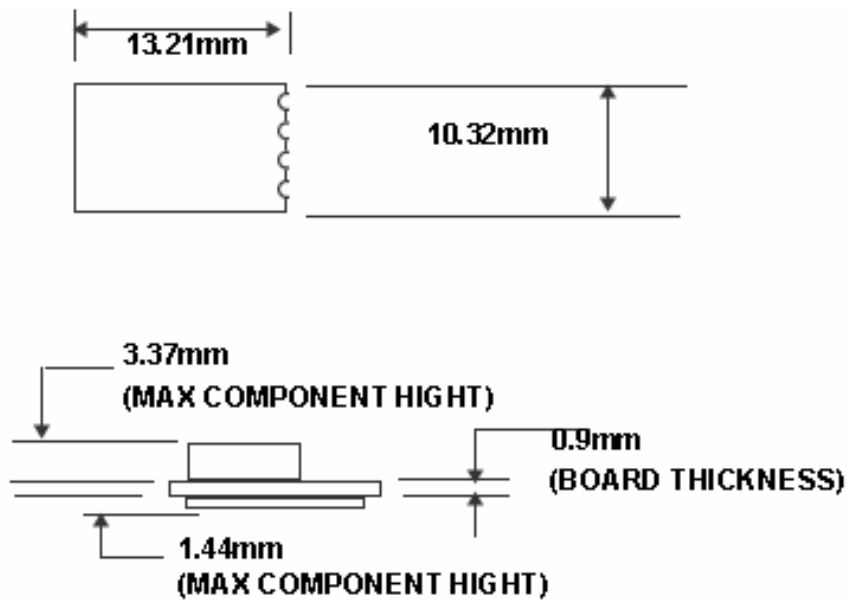
■ Absolute Maximum Ratings:

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

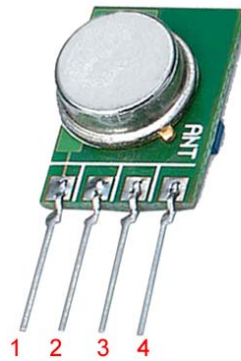
■ Electrical Characteristics, T=25°C , Vcc=3.6V, Fre=315MHz:

| Characteristic | Sym. | Min. | Typ. | Max. | Unit. |
|---|------------|------|------|------|---------|
| Operating Frequency ($\pm 300\text{KHz}$) | VCC | | 315 | | 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 |
| Tum On/ Tum Off Time | T ON/T OFF | | | 1 | US |
| Power Supply Voltage Range | VCC | 3 | | 12 | VDC |
| Operating Ambient Temperature | TA | -20 | | +85 | Celsius |
| 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:

