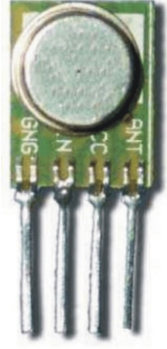




### Transmitter Module : TWS-BS3 (433.9 MHZ)

<ul style="list-style-type: none"> <li>*Frequency Range: 433.9 MHZ</li> <li>*Modulate Mode: ASK</li> <li>*Circuit Shape: SAW</li> <li>*Data Rate: 100kbps</li> <li>*Supply Voltage: 3~ 12 V</li> <li>*Power Supply and All Input / Output Pins: -0.3 to +12.0 V</li> <li>*Non-Operating Case Temperature: -20 to +85 ℃</li> <li>*Soldering Temperature ( 10 Seconds ) : 230 ℃ ( 10 Seconds )</li> </ul>	
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#### 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	℃
Soldering Temperature(10 seconds)	230	℃

#### Electrical Characteristics, T=25℃ , Vcc=3.6v, Freq=433.92MHZ

Characteristic	Sym	Min.	Typ.	Max.	Unit
Operating Frequency (200KHZ)	Vcc		433.92		MHZ
Data Rate	ASK			100	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	℃
Tx Antenna Out (3V) +2.4dB	Vcc				mA

#### Application Note:



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

