

# TWS-CS Series

WENSHING®

V1.02

## Wireless Narrow Band Transmitter Module Series (RF ASK)



### ➤ **Model : TWS-CS-2 (433.92MHz)**

- \*Frequency Range: 433.92 MHz
- \*Modulate Mode: ASK
- \*Circuit Shape: SAW
- \*Data Rate: 8kbps
- \*Supply Voltage: 2.5~12V
- \*Power Supply and All Input / Output Pins: -0.3 to 12.0V
- \*Non-Operating Case Temperature: -20 to +85 Celsius
- \*Soldering Temperature ( 10 Seconds ) : 230°C(10 Seconds)

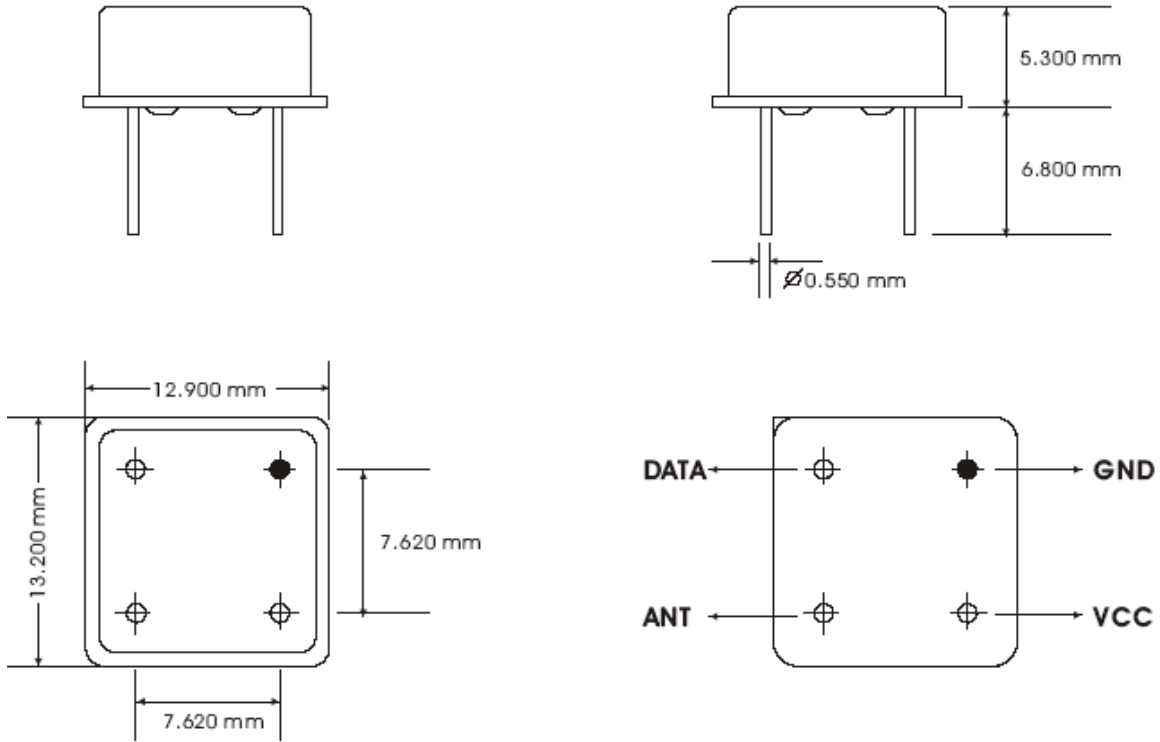
➤ **Absolute Maximum Ratings:**

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

➤ **Electrical Characteristics:**

Characteristic	Sym.	Min.	Typ.	Max.	Unit
Operating Frequency ( $\pm 300\text{KHz}$ )	VCC	433.62	433.92	434.22	MHz
Data Rate	ASK			8K	Kbps
Transmitter Performance(OOK@2.4kbps)					
Peak Input Current, 12 Vdc Supply	ITP			35	mA
Peak Output Power	PO		10		mW
Tum On/ Tum Off Time	ON/ OFF			1	US
Power Supply Voltage Range	VCC	3		12	VDC
Operating Ambient Temperature	TA	-20		+85	Celsius
Tx Antenna Out 3V ~12V		-1.7		17	dBm

➤ **Size & Pin Assignment:**



➤ **Demo Circuit:**

