

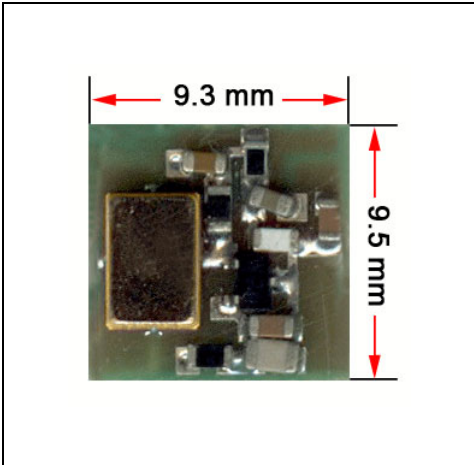
H2000R

- **Designed for Short-Range Wireless Communications**
- **Excellent for small video transmitters or oscillator stages**
- **Supply 3 V - 5 V**
- **Stable, Easy to Use**

The H2000R hybrid transmitter is ideal for short-range wireless applications or small video transmitters – oscillator stages. The H2000R employs SAW oscillator with low output harmonics and app 2-3 mW RF output / 50 ohms.

916.50 MHz
Hybrid
Transmitter-
oscillator

Maximum Ratings	Value	Units
Power Supply and All Input/Output Pins	+6.0	V
Non-Operating Case Temperature	-50 to +100	°C
Soldering Temperature (10 seconds / 5 cycles max.)	260	°C



Electrical Characteristics

Characteristic	Sym	Notes	Minimum	Typical	Maximum	Units
Operating Frequency	f _o		916.30		916.70	MHz
Modulation Types			N/A			
OOK Data Rate					N/A	kbps
ASK Data Rate					N/A	kbps
Transmitter Performance Peak RF Output Power,	P _o			2		dBm
	I _{TP}			12		mA
	t _{ON} /t _{OFF}				15/10	µs
	t _{TR} /t _{TF}				1.1/1.1	µs
2nd - 4th Harmonic Outputs					-50	dBm
5th - 10th Harmonic Outputs					-55	dBm
Non-harmonic Spurious Outputs					-50	dBm
Sleep Mode Current	I _s			N/A		µA
Sleep to Transmit Switch Time	t _{TOR}				16	µs
Transmit to Sleep Switch Time	t _{TRTO}				10	µs
Power Supply Voltage Range	V _{CC}		2.2		4.7	Vdc
Operating Ambient Temperature	T _A		-40		+85	°C

Notes: 1. Do not allow the voltage over 6 V!

Block Diagram for Small Video Transmitter 900 MHz

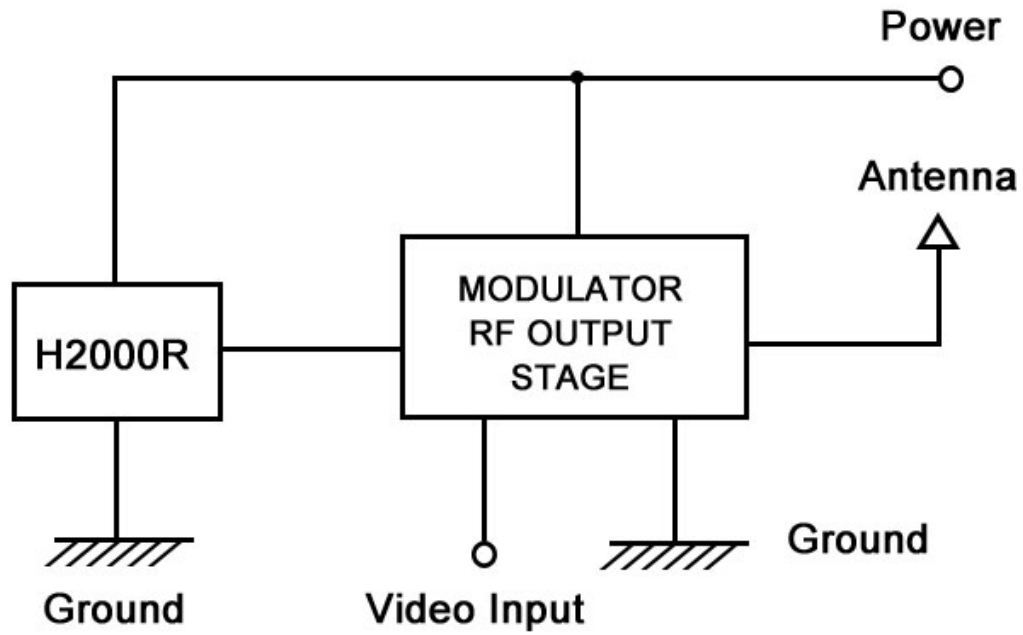
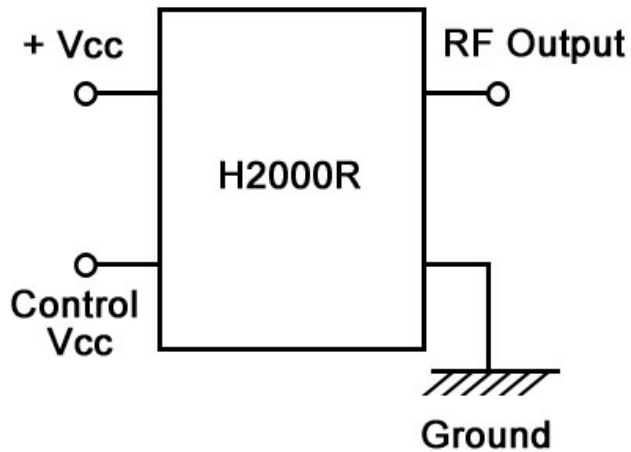
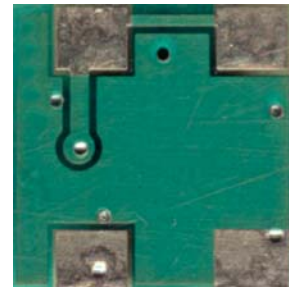


Figure 1

Transmitter Pin Layout



Back Layout



Dimension: 9.3 mm X 9.5 mm (0.37" X 0.36")

Note: Specifications subject to change without notice.