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Wireless High Power Transmitter Module (RF ASK)

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**Version History**

Version	Date	Changes
V1.01	Sep.21, 2002	1 <sup>st</sup> . Edition

- Frequency Range: 400~ 500MHz
- Modulate Mode : ASK
- Circuit Shape : PLL
- Data Rate: 8kbps
- Power Output: 32dBm
- Supply Voltage: 3.5 V
- Power Supply and All Input /Output Pins:-0.3 to 3.6 V
- Non-Operating Case Temperature: -10 to +70°C
- Soldering Temperature ( 10 Seconds ) : 230°C( 10 Seconds )
- Simple To Apply with Low External Count
- High Sensitivity Passive Design

### Application

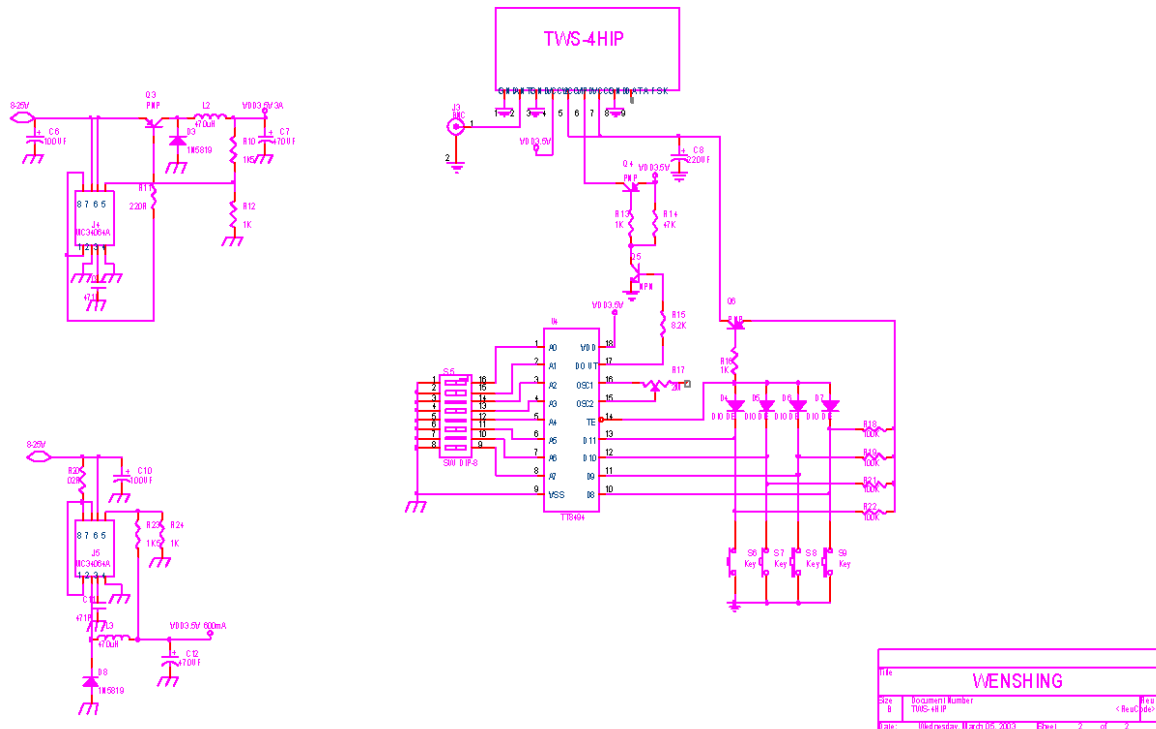
● Remote control systems	● UHF wireless data transmitters
● 433.9MHz ISM	● Remote metering
● Wireless Security Systems	● Wireless LANs
● Analog Communication Systems	

Parameter	Specification			Unit	Condition
	Min	Type	Max		
Frequency Range	400		500	MHz	
Total CW Efficiency	52	55		%	Vcc=3.0V Pout=+32.5dBm
Power Down Isolation	45			dBm	
Power Control Control Voltage VPD	0		2.4	V	
Power Supply Voltage	3.0	3.5	5.3	V	
Power Supply Current		1100		mA	
Regulated Voltage VREG	2.7	3.5	5	V	
Current from VREG			12	mA	

## Pin Assignment

Pin	Function	Description
1	DATA1	FSK DATA IN
2	GND	GND
3	VCC3	VCO VCC
4	VPD	Power Down control. When this pin is "low" all circuit are off.
5	VCC1	PA BUFF VCC
6	VCC2	POWER RF AMP VCC(1100mA)
7	GND	GND
8	ANT	RF output

### APPLICATION SCHEMATIC 433.92MHz 2W ASK MODE



File:	WENSHING		File:
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8	TWS-4HIP		<RevC>02
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# Demo Circuit

