



# AWM609TX/AWM608RX

## 2.4GHz Video/Audio RF Module

14-Jun-02 P1/4

### TECHNICAL SPECIFICATION

#### General:

Operation Frequency Range	2400 ~ 2483MHz
Channel Selection	PLL Synthesizer
Video-Audio Modulation/Demodulation Type	FM-FM
Supply Voltage	DC + 5V

#### Transmitter Specification:

Supply Current	120mA $\pm$ 10mA
Output Power	10dBm $\pm$ 1dB
Video Input	1Vp-p@75 ,Typ.
Video Carrier Frequency Accuracy	$\pm$ 100KHz
Audio Input	3Vp-p@10K ,max
Audio Subcarrier Frequency Accuracy	$\pm$ 50KHz
Audio Subcarrier Power Level	22dBc $\pm$ 2dB

#### Receiver:

Input Signal Level Range	-30~-85dBm
Supply Current	200mA $\pm$ 10mA
<u>Video</u>	
Output Impedance	75 $\Omega$ , typ.
Output Signal Level	1V <sub>P-P</sub> , $\pm$ 0.2V
S/N Ratio (1KHz, 1V <sub>P-P</sub> Sine Wave)	45dB, min.

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# **AWM609TX/AWM608RX**

## **2.4GHz Video/Audio RF Module**

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Output Impedance	10K $\Omega$ , typ.
<u>Audio</u>	
Output Signal Level	3V <sub>P-P</sub> , $\pm$ 0.3V
Harmonic Distortion (THD)	3%, max.
S/N Ratio	50dB, min.
Subcarrier Frequency	6MHz, 6.5MHz
RSSI Output Voltage(RF Input -45~-85dBm)	1.2 ~ 2.7V



**608Rx: 58.3 \*47.5 \*13.7      609Tx: 60.8 \*51.1 \*10.4**

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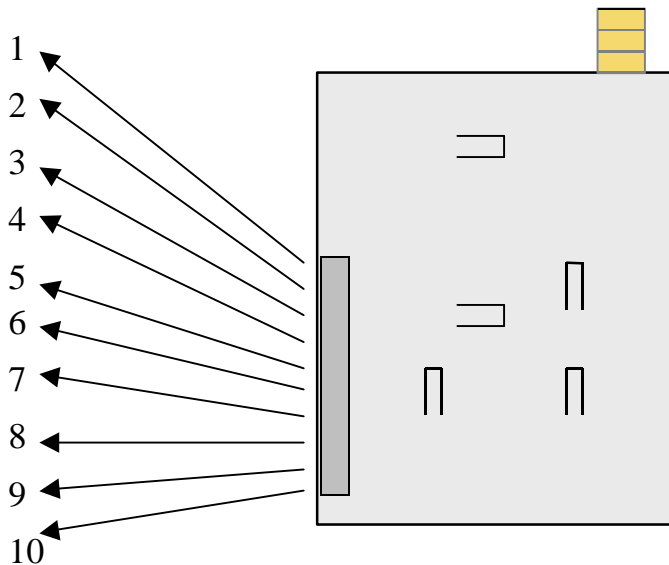
# **AWM609TX/AWM608RX**

## **2.4GHz Video/Audio RF Module**

14-Jun-02 P3/4

### Pin Description

<b>Item</b>	<b>AWM609TX</b>	<b>AWM608RX</b>
1	GND	GND
2	AUDIO R	AUDIO R
3	AUDIO L	AUDIO L
4	+5V	+5V
5	VIDEO	VIDEO
6	CH4	CH4
7	CH3	CH3
8	CH2	CH2
9	CH1	CH1
10	NC	RSSI



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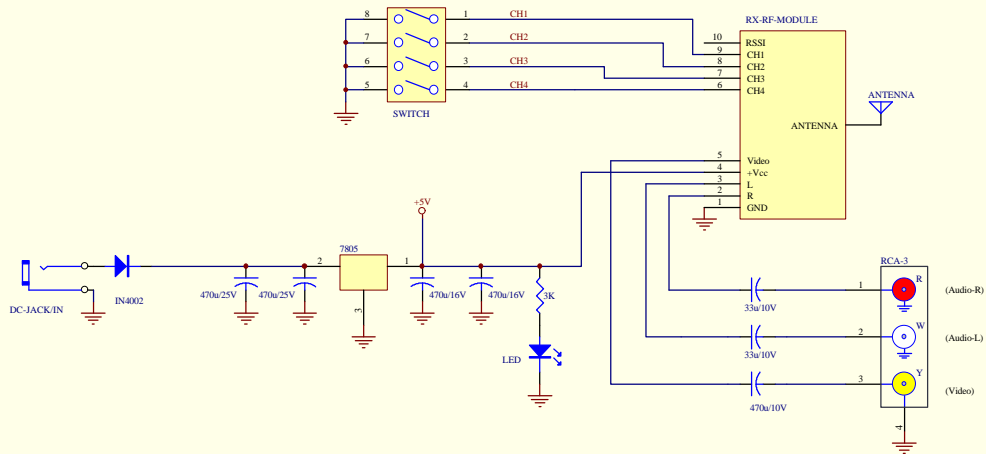



# AWM609TX/AWM608RX

## 2.4GHz Video/Audio RF Module

14-Jun-02 P4/4

### AWM609TX/608RX Module Application Circuit



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					DRAW BY <b>M.W.H.</b>	SIZE DWG TITLE <b>AWM609TX/608RX Module Application Circuit</b>	REV. <b>A</b>	
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REVISIONS								

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