



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

Receiver:

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

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Output Impedance	10K Ω , typ.
<u>Audio</u>	
Output Signal Level	3V _{P-P} , \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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Supplied by: Active Robots Limited - Website: www.active-robots.com - Email: enquiries@active-robots.com
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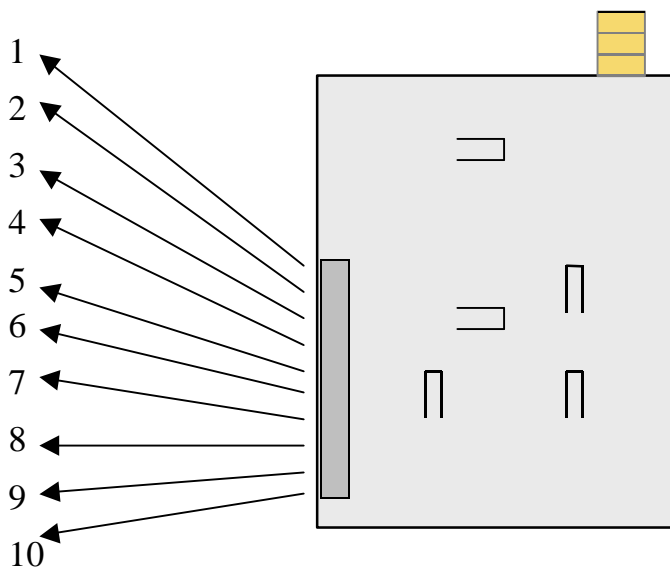
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14-Jun-02 P3/4

Pin Description

Item	AWM609TX	AWM608RX
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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