



Digital Products Company



AIRWAVE

AWM610/611/612 TX-LVD*2.4GHz Video RF Module*

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General: CH1: 2414MHz CH2: 2432MHz CH3: 2450MHz CH4: 2468MHz

Operation Frequency	2400~2483MHz
Channel Selection	PLL Synthesizer, 4 Channel
Supply Voltage	5V

RF:

Output Power	610 TX	611 TX	612 TX
	0dBm / 10dBm	20dBm	27dBm
Supply current	26 / 40 mA	120mA	450mA
RF Port Impedance	50Ω		

Video:

Input Impedance	75Ω, typ
Input Signal Level	1V _{P-P} , typ
Modulation (1V _{P-P})	±900KHz
Differential Gain	±5% max
Differential Phase	±5% Deg. max

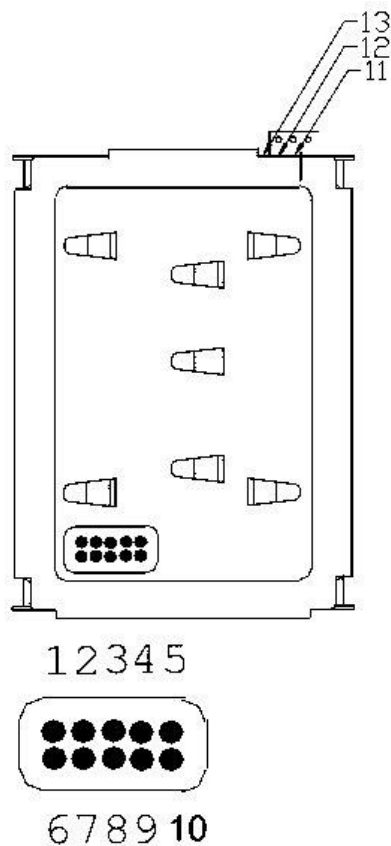
Audio:

Input Impedance	10KΩ, typ
Input Frequency Range	50Hz-20KHz
Input Signal Level	3V _{P-P} , max
Modulation(3V _{P-P})	±40KHz
Harmonic Distortion	1.5% max
S/N	50 dB min
Subcarrier Frequency	6.5MHz
Subcarrier Power Level	22 dBc Typical

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Pin Description

1	Video
2	5V
3	GND
4	Audio
5	N/A
6	N/A
7	CH1
8	CH2
9	CH3
10	CH4
11	GND
12	To Antenna
13	GND





AWM61x TX Module Application Circuit

