



### General:

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

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

### RF:

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

### Video:

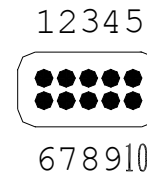
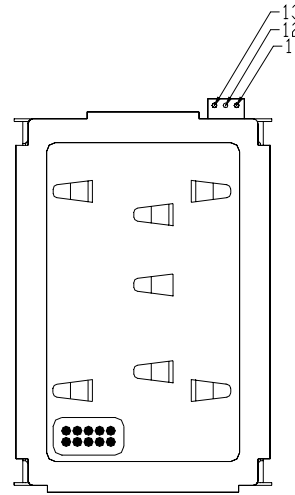
Input Impedance	75Ω, typ
Input Signal Level	1V <sub>P-P</sub> , typ
Modulation (1V <sub>P-P</sub> )	±900KHz
Differential Gain	±5% max
Differential Phase	±5% Deg. max

### Audio:

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

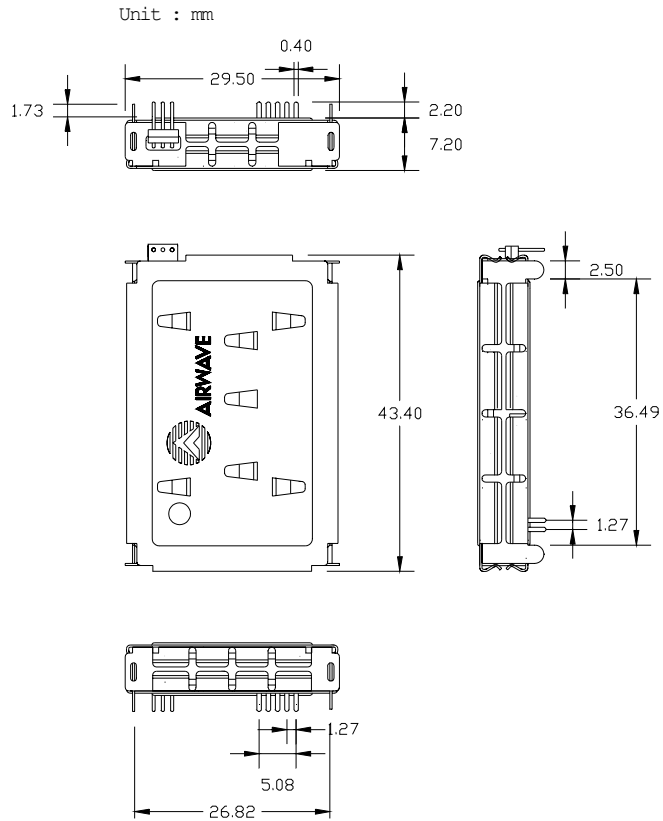
**Pin Description**

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



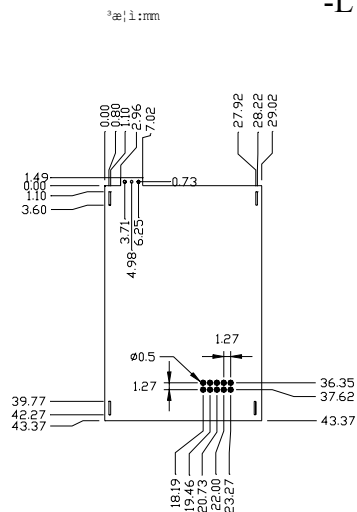
### PHYSICAL DIMENSIONS

Unit: mm



### PCB Layout

PCB Layout : AWM61X TX  
-LVD





***AWM61x TX Module Application Circuit***

