

1. General

- 1.1 RF transmission frequency CH1 : 2414MHz CH1': 2370MHz (option)
 CH2 : 2432MHz CH2': 2390MHz (option)
 CH3 : 2450MHz CH3': 2490MHz (option)
 CH4 : 2468MHz CH4': 2510MHz (option)
- 1.2 RF output impedance 50Ω
- 1.3 Channel selection system PLL synthesizer set by Dip Switch, Slide Switch or External CUP
- 1.4 Modulation system Video: FM
 Audio: FM-FM

2. Mechanical Specification

Please refer to Figure 8

3. Environmental Specification

- 3.1 Temperature -10℃ ~ +60℃

4. Test Condition

- 4.1 Supply voltage: 3.3V
- 4.2 Ambient temperature : 25℃
- 4.3 Video input voltage : 1.0Vp-p, 150 (IRE)
- 4.4 Audio input voltage : 2.0Vp-p sine wave signal 1 KHz

5. Electrical Characteristics

No.	Item	Specifications			Unit	Test Condition
		Min.	Typ.	Max.		

5.1 DC Characteristics

1	Supply Voltage	3.2	3.3	3.4	V _{DC}	
2	Current Consumption		100	120	mA	

5.2 Video Characteristics

1	Input Impedance		75		Ω	
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5.3 Audio Characteristics

1	Input Impedance		10		KΩ	
2	Audio Input Level			2.7	Vp-p	

5.4 Output Characteristic (TX/RF)

1	TX Power	15			dBm	
2	Audio Sub-carrier Level		27		dBc	Video and Audio Index
3	Audio Sub-carrier (L Channel)		6.0		MHz	
3	Audio Sub-carrier (R Channel)		6.5		MHz	

6. Pin Assignment

Pin No.	Pin Name	Pin No.	Pin Name
1	3.3V	9	CH1 / SPI_CLK
2	GND	10	CH2 / SPI_LE
3	VIDEO	11	CH3 / SPI_DATA
4	GND	12	BX
5	A/R	13	GND
6	GND	14	RF OUT
7	A/L	15	GND
8	SPI_SE		

7. Channel Selection (PIN 8 SPI & PIN12 BX tie to GND)

Transmission Frequency	Contents
CH1 : 2414MHz	PIN 9 tie to GND, PIN 10 and PIN 11 open
CH2 : 2432MHz	PIN 10 tie to GND, PIN 11 and PIN 9 open
CH3 : 2450MHz	PIN 11 tie to GND, PIN 9 and PIN 10 open
CH4 : 2468MHz	Keep PIN 9, PIN 10 and PIN 11 open



