
Description

Features: 1. Compact size, low power consumption design: the module is lightweight, low energy consumption, suitable for embedded installation, to meet the needs of portable equipment 2.High-frequency reception range: support 4900-5945MHz frequency, covering a wide range, to ensure stable and reliable signal transmission. 3. High sensitivity performance: accurate signal capture, long transmission distance, clear and smooth picture quality without delay. 4. Strong adaptability, impedance matching 75Ω: video output impedance is 75Ω, compatible with mainstream display devices, more convenient connection. 5. Wide temperature working environment: adapt to -10 ~ +65 ° C temperature range, suitable for a variety of scenarios, such as wireless audio and video transmission, etc. Parameter: DC Characteristics Supply Voltage: 3.3-5.0V Current Consumption: 220mA Operating Environment Operating Temperature: -10~+65°C Storage Temperature: -30~+85°C Operating Humidity: 85%RH Radio Frequency Receiving Frequency Range: 4900-5945MHz Input VSWR: 2:1 Demodulation: FM/PLL IF Frequency IF: 480MHz Antenna Port Impedance: 50Ω, TyP. Local oscillator frequency stability: ±100kHz Local oscillator frequency accuracy: ±100kHz Local oscillator control: PLL Input local oscillation leakage: -55dBm Receiving sensitivity: -90dBm Input level range: -90dBm~+5dBm Video Video output impedance: 75Ω, TyP. Video output level: 1±0.2Vp-p Video polarity: negative Video frequency response: ±5 dB,Max.50Hz ~ 6MHz Differential gain: ±5 %, Max Differential phase: ±5 Deg, Max 3dB IF bandwidth: 16.5MHz S/N ratio: 38dB, Min Deg, Max 3dB IF Bandwidth: 16.5MHz Signal to Noise Ratio: 38dB, Min Product Size: 28*23*3mm Package include: Module*1

Pictures

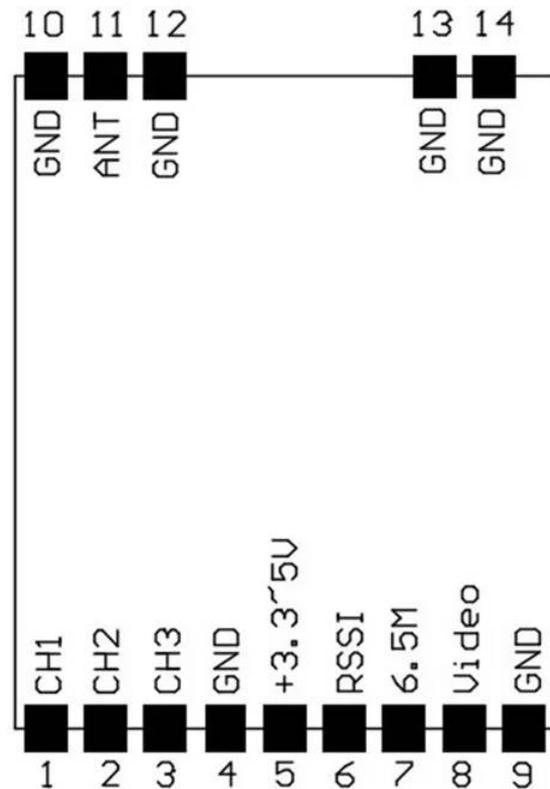


Test conditions

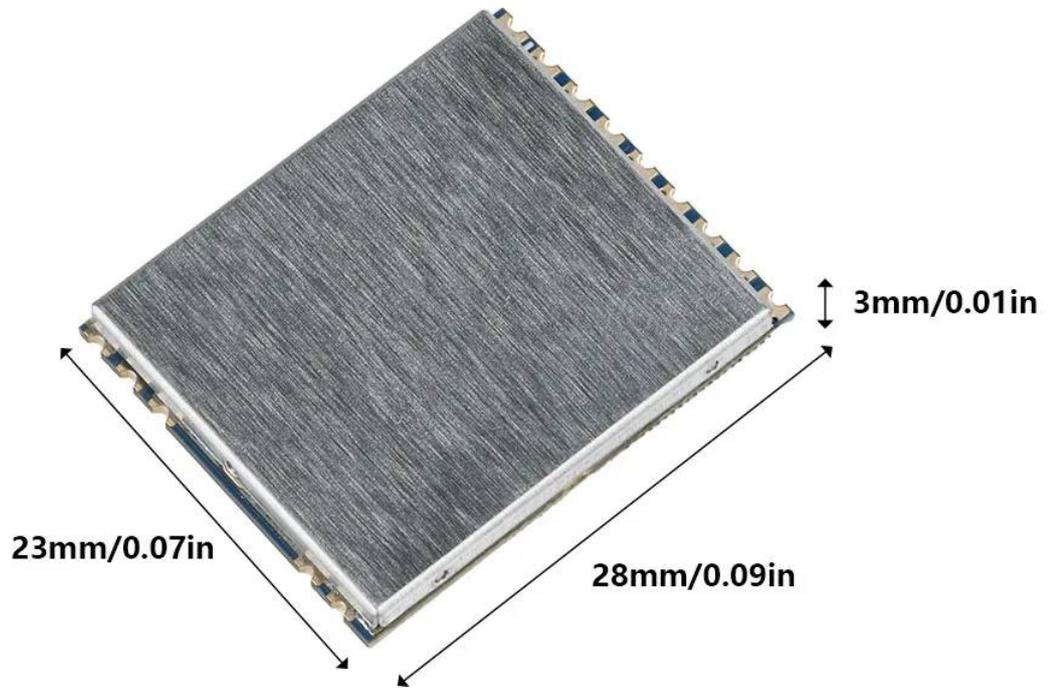
- Surrounding ambient temperature: 25°C
- Video input voltage: 1.0Vp-p,150 (IRE)
- Audio input voltage: 1.0Vp-p sine wave signal 1KHz

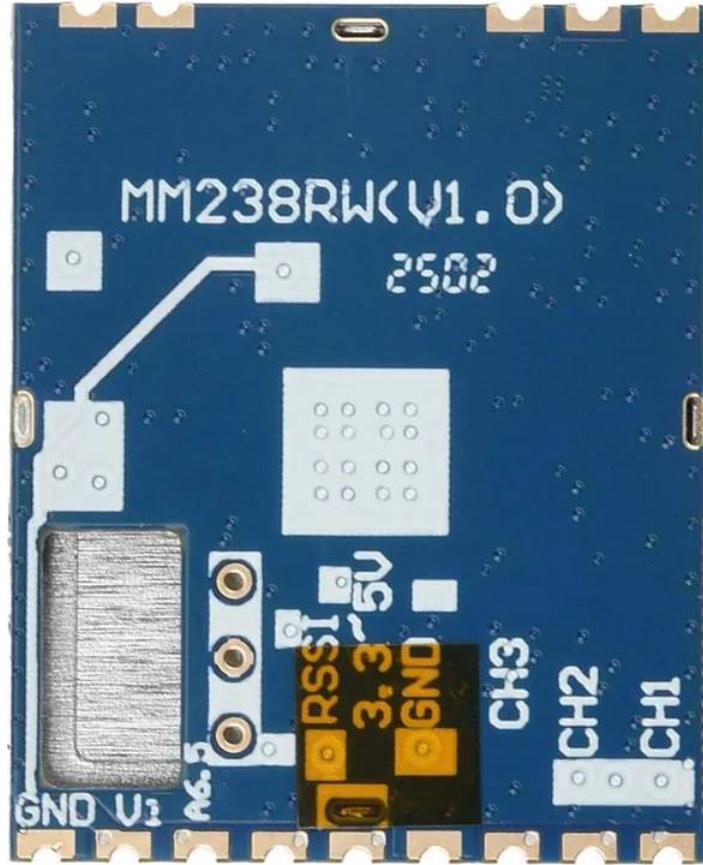
MM238R-MCU Pinout

Pin NO.	functionality
1	CH1:DATA
2	CH2:LE
3	CH3:CLK
4	GND
5	+3.3~+5V Out
6	signal strength indication
7	Audio left channel output
8	video output
9	GND
10	GND
11	Antenna Input
12	GND
13	GND
14	GND



Product Size





MM238RW (V1.0)

2502

GND V₃

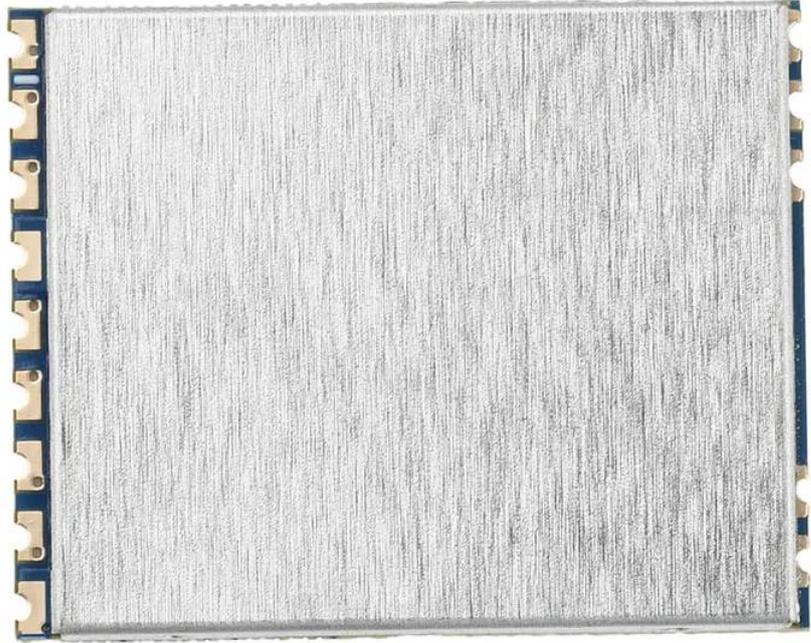
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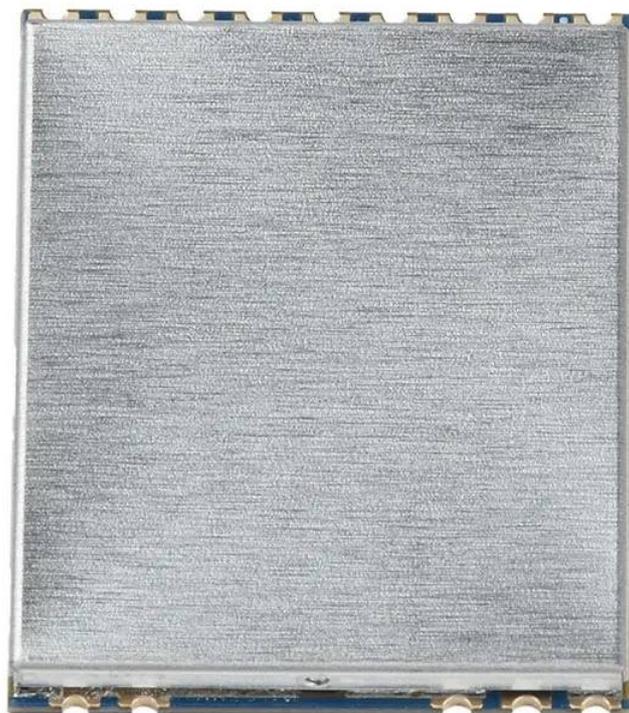
RSSI
3.3
GND

CH3

CH2

CH1





SHOPPING GUIDE



PAYMENT



SHIPMENT

Shipping Method	Courier	Shipping Time
Express Shipping	DHL Express	About 3-10 days
	EMS Shipping	About 3-10 days
Standard Shipping (for order over USD5)	Aliexpress Standard Shipping	About 20-45 days
	Registered Air Mail(china post/e packet-only for USA)	About 40-60 days
Economy Shipping (for order under USD5)	Economy Post(finland economy/ SG economy/China economy)	About 40-60 days

FEEDBACK



If you have any problems about the order, please feel free to contact us.

Item as described : ★★★★★ 5 STAR

Communication : ★★★★★ 5 STAR

Shipping speed : ★★★★★ 5 STAR

If satisfied with our products, kindly leave a 5-star rating and share whit your friends.