

# ASK TRANSMITTER MODULE RFM85W-433D

## **General Introduction**

The RFM85W-433D is an ASK transmitter module . The result is excellent performance in a simple-to-use . The RFM85W-433D is designed specifically for remote-control , wireless mouse and car alarm system operating at  $\frac{1}{2}$ 

433.92 MHz in the USA under FCC Part 15 regulation.

### Features:

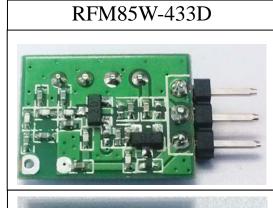
- Ideal for 433.92 MHz Remote Keyless-Entry Transmitter.
- SAW RESONATOR
- ASK Design
- 2.2V~5.5V POWER SUPPLY
- LOW POWER CONSUMPTION

## **Typical Application:**

- Remote control
- Remote sensor
- · Wireless data collection
- Home security system
- •car alarm system
- Toys
- Tire pressure monitoring system

## **Pin Definition:**

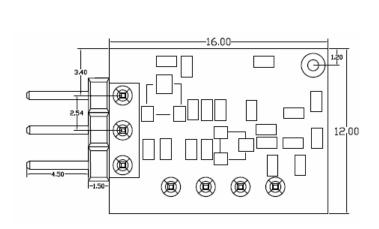
PIN	Connections	3 2 1
1	VCC	
2	DATA	
3	GND	

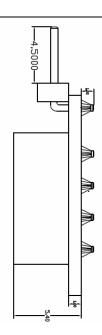




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# Absolute Maximum Ratings:

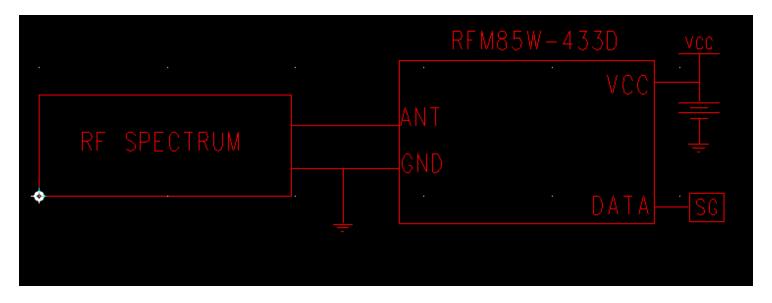
Parameter	Value	Units
Power Supply and/or Modulation Input Voltage	2.2 ~ 5.5	V
Operating temperature	-40 to +80	$^{\circ}\!\mathbb{C}$

## Transmitter Characteristics:

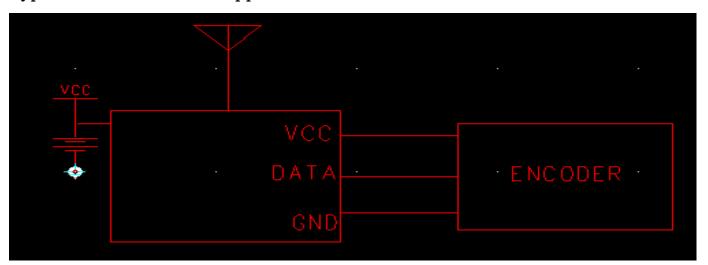
Parameter	Symbol	Condition	Condition			Unit
			min.	typ.	max.	Offic
Output power		Vcc= $3.0$ V,TA- $25$ °C, $50\Omega$ load		11		- dBm
		Vcc= $5.0$ V,TA- $25$ °C, $50\Omega$ load		15		
Supply current	Icc	Vcc=3V		24		mA
		Vcc=5V		40		
Supply voltage Range	Vcc		2.2	3	5.5	V
Data Rate			300		10K	bps



## Typing Test Circuit



## Typical transmitter Application



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