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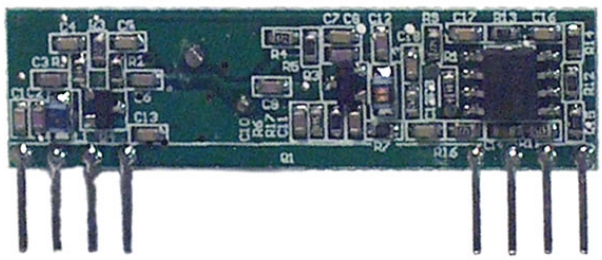
RF Solutions
QAM-RX2-433

For any questions, you can email us directly:
sales@integrated-circuit.com

AM SUPER REGEN RECEIVER

QAM-RX2

Features



- Super Regenerative Radio Receiver
- CMOS / TTL Output
- Stable Operating Frequency
- Low Current Consumption
- 5Vdc Operating Voltage
- ASK Demodulation
- Available as 315 or 433 MHz

Applications

- Wireless Security Systems
- Garage Door controller
- Remote Gate Controls
- Remote Sensing
- Data Capture
- Sensor Reporting

Description

The Quasar UK AM hybrid receiver module provides a complete Radio receiver which can be used to receive undecoded data from the range of Quasar (UK) transmitter modules.

The module is very simple to operate and offers a low current consumption, allowing for extended battery life when used in mobile applications.

Data can be fed directly into a microprocessor or decoding device, thus keeping the component count down and ensuring a low hardware cost.

All receivers are compatible, producing a CMOS/TTL output, and only require connections to power and antenna.

Part Numbers

Part Number	Description
QAM-RX2-433	AM Super Regen Receiver Module, 433MHz
QAM-RX2-315	AM Super Regen Receiver Module, 315MHz

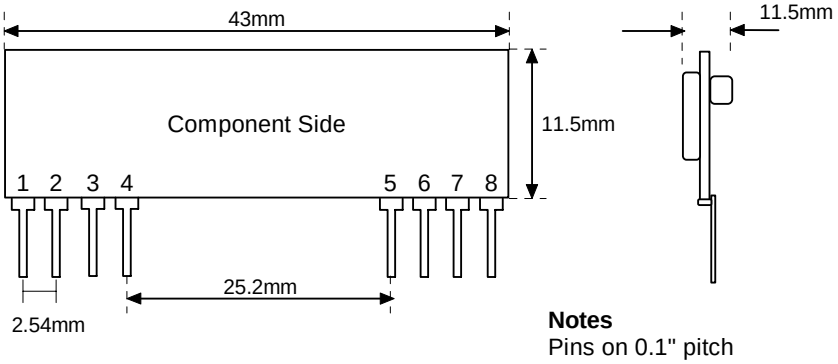
AM SUPER REGEN RECEIVER

QAM-RX2

Technical Specifications

Pin Descriptions

Pin	Description
1	External Antenna
2, 3, 8	Ground
6, 7	Data input
4,5	Supply Voltage



Notes
Pins on 0.1" pitch
Pin Dims :0.25 x 0.50mm

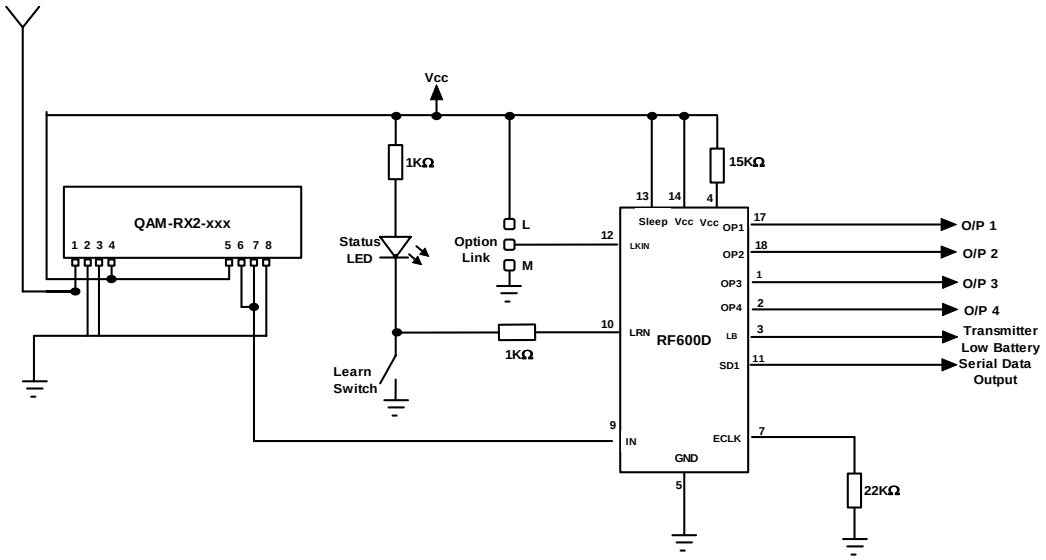
Electrical Characteristics

Ambient temp = 25°C unless otherwise stated.

Characteristic	Min.	Typ.	Max.	Dimensions
Supply Voltage		5		Vdc
Supply Current	3	3.5	4.5	mA
RF Sensitivity		-105		dBm
Working Frequency		315 / 433.92		MHz
High Level Output	0.7Vcc			VDC
Low Level Output			0.3Vcc	VDC
Turn On Time		25		Ms
Data Rate	200		3,000	Hz
Operating Temperature	-10		+60	°C

Typical Application

For further information on this circuit please refer to the RF Solutions datasheet DS600



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