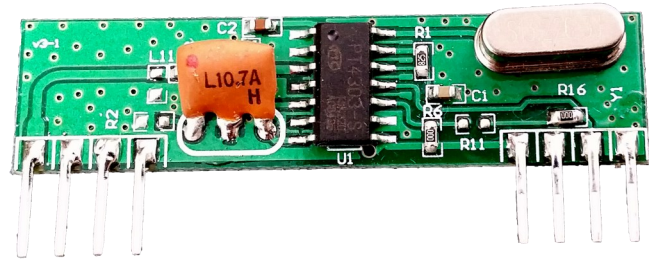


## SuperHeterodyne Receiver Module

### Features

- Complete RF Receiver
- CMOS / TTL Output
- Low Power Consumption
  - 2.6mA (typ)
- Wide Operating Voltage
  - 2.4 to 5Vdc
- High sensitivity 110dBm
- Available as 315 / 433MHz



### Applications

- Wireless Security Systems
- Car Alarms
- Remote Gate Controls
- Remote Sensing
- Data Capture
- Sensor Reporting

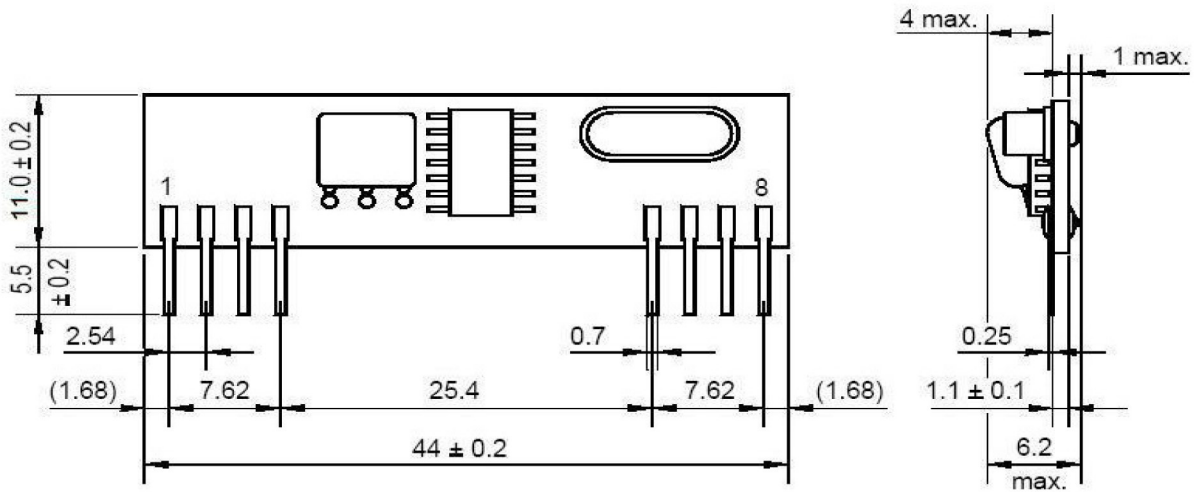
### General Description

The RF Solutions AM Superheterodyne Receivers are compact modules, which can be used to capture undecoded data from any equivalent AM Transmitter

The module exhibits extremely stable electronic characteristics with no adjustable components and very reliable operation. The modules are compatible with R F solutions Ltd. range of AM transmitter to provide a complete Radio Link.

Part Number	Description
AM-RX9-315P	AM Receiver Module 315MHz
AM-RX9-433P	AM Receiver Module 433.92MHz

## Mechanical Data



## Pin Descriptions

Pin	Description
1	Antenna In
2, 3, 8	Ground
4, 5	Supply voltage
6,7	Data Output

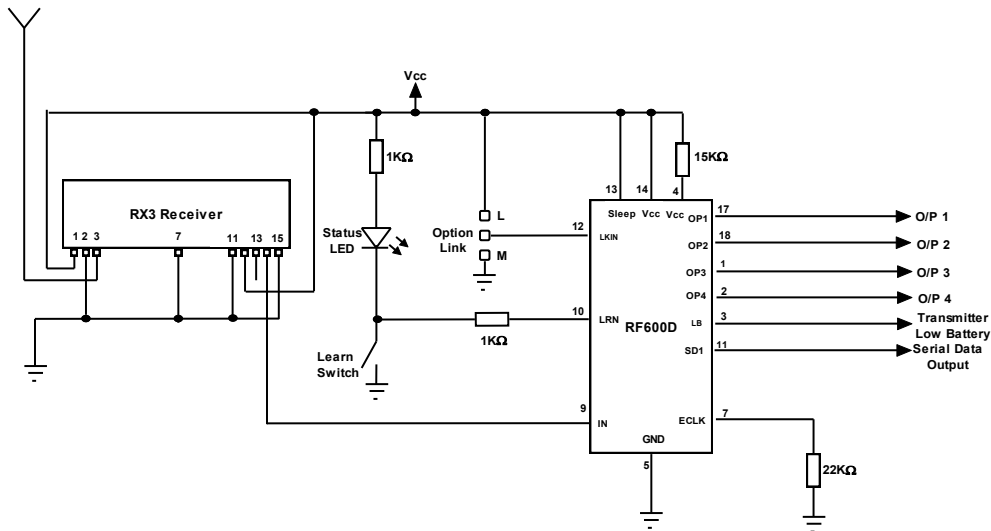
## Electrical Characteristics

Ambient temp = 25°C unless otherwise stated.

Characteristic	Min	Typical	Max	Dimensions
Supply Voltage	2.4	5	5.5	Vdc
Supply Current		2.6		mA
RF Sensitivity (Vcc=5V, 1Kbps AM 99% Square wave modulation)		-109		dBm @433MHz
Working Frequency		315 433.92		MHz
High Level Output	0.7Vcc			V
Low Level Output			0.3Vcc	V
IF Bandwidth		280		KHz
Data Rate		1	10	Kbps

# AM-RX9-433P

## Typical Application



## RF Meter

RF Multi Meter is a versatile handheld test meter checking Radio signal strength or interference in a given area. The Multi-Meter can both transmit and receive signals making it possible to test an installation location for suitability before installing equipment. The Multi-Meter is very hard wearing, long lasting and simple to use. It has 4 selectable frequencies, changeable at the touch of a button. It also has an auto shut off feature for battery saving.



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# AM-RX9-433P

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## RF Solutions Ltd. Recycling Notice

Meets the following EC Directives:

**DO NOT** Discard with normal waste, please recycle.

**ROHS Directive 2002/95/EC.** Specifies certain limits for hazardous substances.

**WEEE Directive 2002/96/EC** Waste electrical & electronic equipment. This product must be disposed of through a licensed WEEE collection point. RF Solutions Ltd., fulfils its WEEE obligations by membership of an approved compliance scheme.

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