

Features

- Complete RF Transmitter
- Transmit Range Up To 50m
- CMOS / TTL Input
- No Adjustable Components
- Very Stable Operating Frequency
- Low Current Consumption (Type 11mA)
- Wide Operating Voltage (3-12v)
- ASK Modulation
- Available as 315 or 433 MHz



Applications

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

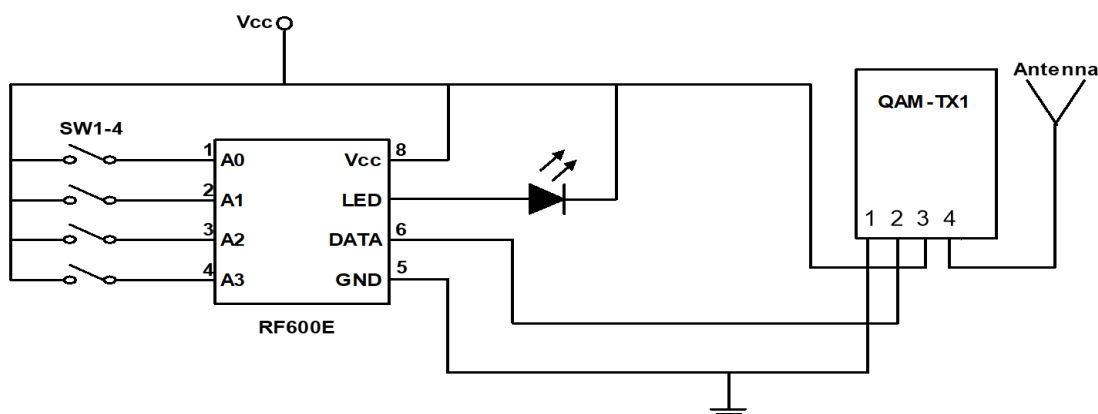
Description

The Quasar UK AM hybrid transmitter module provides a complete RF transmitter which can be used to transmit data at up to 3KHz from any standard CMOS/TTL source.

The module is very simple to operate and offers low current consumption (typ. 12mA @5V). Data can be supplied directly from a microprocessor or encoding device, thus keeping the component count down and ensuring a low hardware cost. The modules are compatible with the Quasar UK Ltd. range of AM receivers to provide a complete solution.

Typical Application

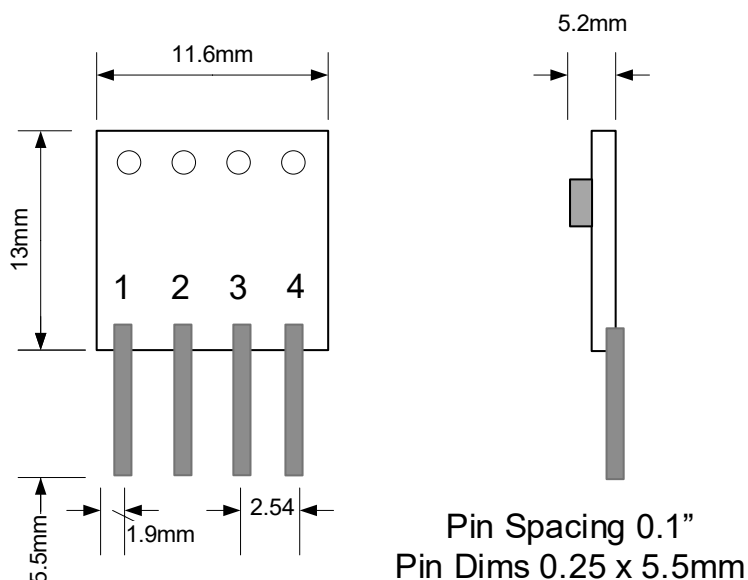
For further information on this circuit please refer to the RF Solutions datasheet DS600



Ordering Information

Part Number	Description
QAM-TX2-433	AM Transmitter Module, 433MHz
QAM-TX2-315	AM Transmitter Module, 315MHz

Technical Specifications



Pin Descriptions

Pin	Name	Description
1	GND	Ground
2	IN	Data input
3	VCC	Supply Voltage
4	ANT	External Antenna

Electrical Characteristics

Ambient temp = 25°C unless otherwise stated

Characteristic	Min	Typical	Max	Dimensions
Supply Voltage	3	5 8	12	Vdc
Supply Current	7	15 25	33	mA
Output Power	4	8 10	15	dBm
Working Frequency		433.92		MHz
Time from Power on to data transmission	10	20		mS
Data Rate	200	1,000	3,000	Hz
Input Duty Cycle	45		55	%
Operating Temperature	-30		+60	°C

Simplified Declaration of Conformity (RED)

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Important European compliance information for module datasheets

This RF Solutions radio module meets the essential requirements of the European Radio Equipment Directive 2014/53/EU and has been tested to European Harmonised Standards and CE marked where space allows. A copy of the EU Declaration of Conformity can be located on the RF Solutions Website, www.rfsolutions.co.uk/certification-i59.

When using the module in an end product, continued compliance can only be assured by incorporating the module in accordance with RF Solutions specific installation instructions and in accordance with the published information on the RF Solutions product data sheet. The antenna gain specification must be adhered to at all times.

Article 3.1a and 3.1b of the EU Radio Equipment Directive 2014/53/EU should be assessed in the final product.

Failure to follow this guidance may result in a non-compliant product being placed on the European Market, for which RF Solutions cannot accept any responsibility.

Further guidance may be obtained from RF Solutions Technical Support. Charges may apply to customer specific product evaluation.

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Meets the following EC Directives:

DO NOT

Discard with normal waste, please recycle.

ROHS Directive 2011/65/EU as amended by 2015/863/EU

Specifies certain limits for hazardous substances.

WEEE Directive 2012/19/EU

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.

Environment Agency Registration Number: WEE/JB0104WV.



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