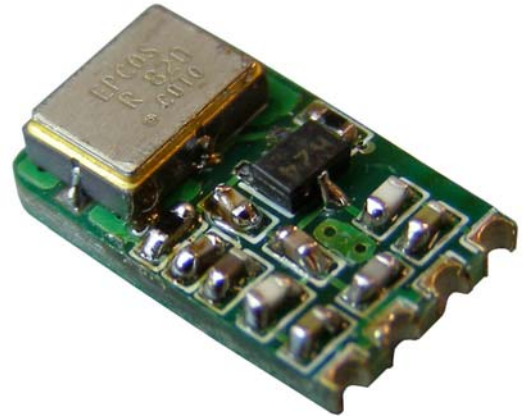


Features

- Complete RF Transmitter
- Transmit Range Up To 50m
- CMOS / TTL Input
- No Adjustable Components
- Stable Operating Frequency
- Low Current Consumption (Typ 4mA @ 3V)
- Wide Operating Voltage (1.5-15v)
- ASK Modulation
- Available as 315 or 433 MHz



Applications

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

Description

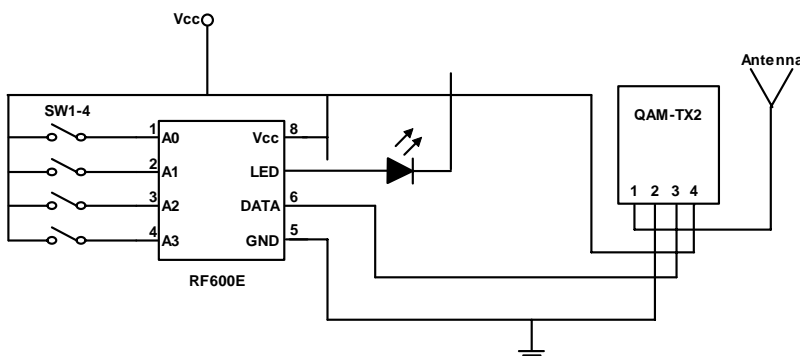
The Quasar UK AM hybrid transmitter module provides a complete RF transmitter which can be used to transmit data at up to 2KHz from any standard CMOS/TTL source.

The module is very simple to operate and offers a wide operating voltage range, the RF Power output increases in line with the voltage level applied to the module. 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

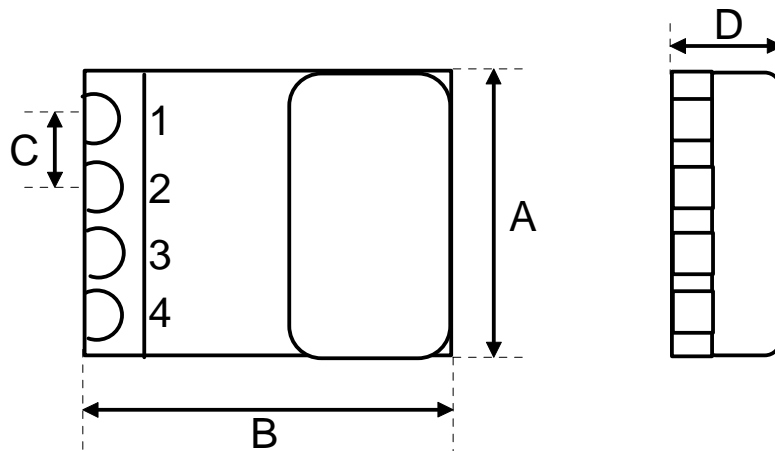
For further information on this circuit please refer to the RF Solutions datasheet DS600



Part Numbers

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

Technical Specifications



Dimensions

Pin	Measurements (mm)
A	6.5
B	11
C	1.5
D	3

Pin Descriptions

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

Electrical Characteristics

Ambient temp = 25°C unless otherwise stated.

Characteristic	Min.	Typ.	Max.	Dimensions
Supply Voltage	1.5	3	15	Vdc
Supply Current (Vcc=3V IN=1kHz)	3	4	5	mA
Supply Current (Vcc=12V IN=1kHz)	17	20	25	mA
Output Power (Vcc=3V IN=1kHz)	0	1	3	dBm
Supply Current (Vcc=12V IN=1kHz)	3	5	8	dBm
Working Frequency		315 / 433.92		MHz
Frequency Accuracy	+/- 75	+/- 150	+/- 250	KHz
Time from Power on to data transmission		20		Ms
Data Rate	200		2,000	Hz
Operating Temperature	-20		+70	°C

www.quasaruk.co.uk

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