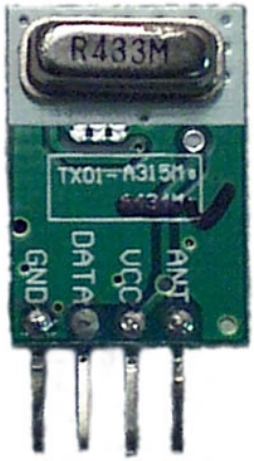
AM TRANSMITTER MODULE

QAM-TX1

Features

- Complete RF Transmitter
- Transmit Range Up To 50m
- CMOS / TTL Input
- No Adjustable Components
- Very Stable Operating Frequency
- Low Current Consumption (Typ 11mA)
- Wide Operating Voltage (1.5-5v)
- ASK Modulation
- Available as 315 or 433 MHz



Applications

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

Description

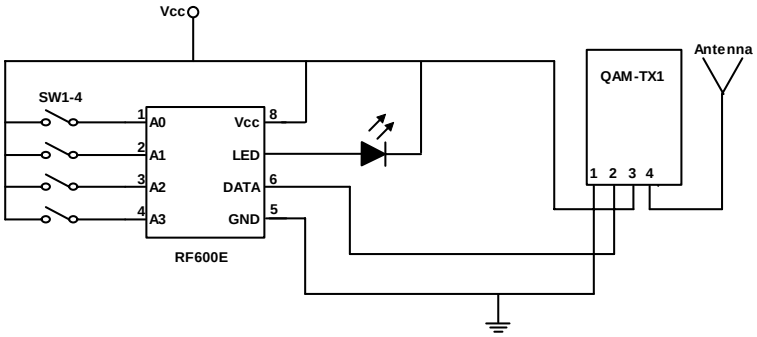
The Quasar UK AM hybrid transmitter module provides a complete RF transmitter which can be used to transmit data at up to 3KHz from any standard CMOS/TTL source.

The module is very simple to operate and offers low current consumption (typ. 11mA). 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

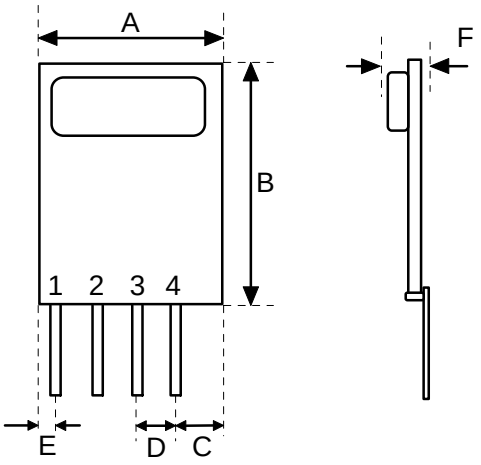
For further information on this circuit please refer to the RF Solutions datasheet DS600



Part Numbers

Part Number	Description
QAM-TX1-433	AM Transmitter Module, 433MHz
QAM-TX1-315	AM Transmitter Module, 315MHz

Technical Specifications



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

Dimensions

Pin	Measurements (mm)
A	13
B	19
C	3
D	2.54
E	1
F	5.5

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.	Typ.	Max.	Dimensions
Supply Voltage	1.5	3	5	Vdc
Supply Current (Vcc=5V IN=1kHz)	2.9	11	22	mA
Working Frequency		315 / 433.92		MHz
Time from Power on to data transmission		20		Ms
Data Rate	200		3,000	Hz
Operating Temperature	-20		+60	°C

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