

AM TRANSMITTER MODULE

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 (3-12v)
- **ASK Modulation**
- Available as 315 or 433 MHz

Applications

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



Description

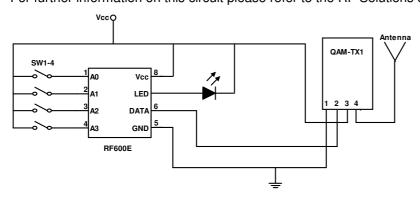
The Quasar UK AM hybrid transmitter module provides a complete RF transmitter which can be used to transmit data at up to 3KHz from any standard CMOS/TTL source.

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



Part Numbers

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

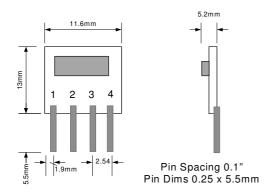
Page 1 DSQAM-TX2-1 ©2011 Quasar (UK) Ltd.





AM TRANSMITTER MODULE

Technical Specifications



Pin Descriptions

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

Electrical Characteristics

Ambient temp = 25 °C unless otherwise stated

Characteristic	Min.	Тур.	Max.	Dimensions
Supply Voltage		3 - 12		Vdc
Supply Current				
3V		6		
5V		12		mA
9V		16		
12V		18		
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

Information contained in this document is believed to be accurate, however no representation or warranty is given and no liability is assumed by Quasar (UK) Ltd. with respect to the accuracy of such information. Use of products as critical components in life support systems is not authorised except with express written approval from Quasar (UK) Ltd.