

TXD1

433.92/868.35
MHz Hybrid
Transmitter

Ideal for 433.92/868.35MHz Remote Keyless-Entry Transmitter.

SAW RESONATOR

ASK Design

The TXD1 is an ASK transmitter module .The result is excellent performance in a simple-to-use .The TXD1 is designed specifically for remote-control , wireless mouse and car alarm system operating at 433.92/868.35 MHz .



Absolute Maximum Ratings

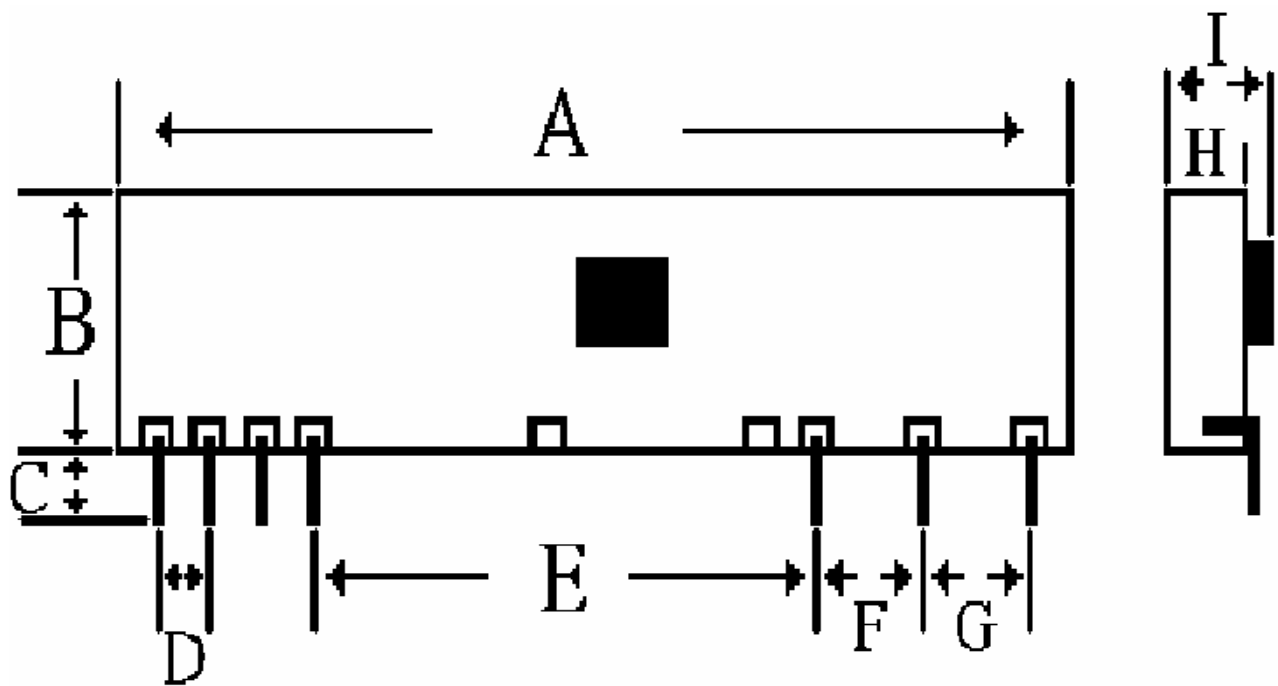
Parameter	Value	Units
Power Supply and/or Modulation Input Voltage	3	V
Operating temperature	-20 to +80	

Transmitter Characteristics

Parameter	Symbol	Condition	Value			Unit
			min.	typ.	max.	
Output power		Vcc= 3.0V,TA-27	433.92MHz	3		dBm
			868.35MHz			dBm
Supply current	Icc			5.5		mA
Supply voltage Range	Vcc			3		V
Data Rate			300Hz		10K	bps

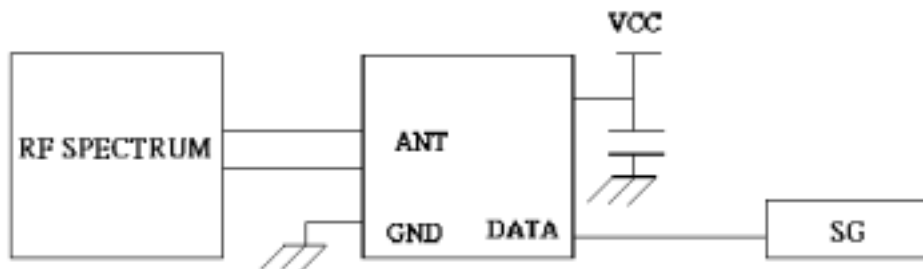
Pin assignment

PIN	Connections
1	GND
2	DATA
3	DATA
4	GND
7	NC
10	NC
11	ANT
13	GND
15	VCC

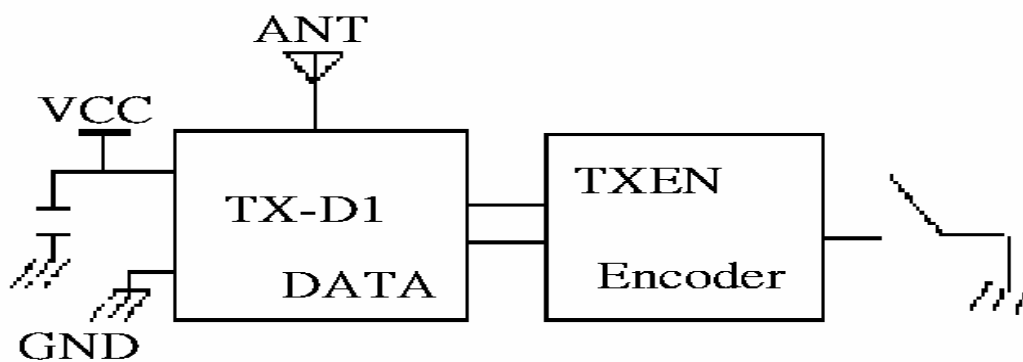


Dimensions	Millimeters	Dimensions	Millimeters
A	38.3 +/- 0.1mm	F	5.08 +/-0.01mm
B	11.5 +/- 0.1mm	G	5.08 +/- 0.01mm
C	5.9 +/- 0.1mm	H	1.2 (MAX)
D	2.54 (MAX)	I	3.4 +/- 0.01mm
E	17.5 +/- 0.05mm		

Typing Test Circuit



Typical transmitter Application



Notes:

1. Encoder : HT12D/F , PTC (2262)
2. Antenna : Length = 17.2cm for 433.92MHz ; Length = 8.7 cm for 868.35MHz