



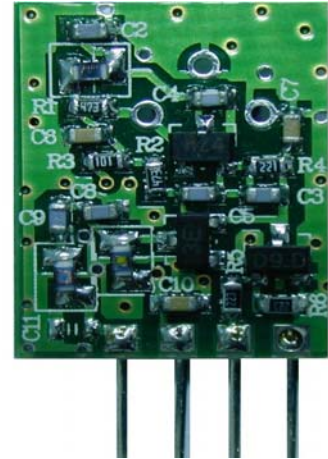
TXC1

315/433.92 MHz

Hybrid Transmitter

RoHS

- ◎ Ideal for 315/433.92MHz Remote Keyless-Entry Transmitter.
- ◎ SAW RESONATOR
- ◎ ASK Design



The TXC1 is an ASK transmitter module. The result is excellent performance in a simple-to-use. The TXC1 is designed specifically for remote-control, wireless mouse and car alarm system operating at 315/433.92 MHz in the USA under FCC Part 15 regulation.

Absolute Maximum Ratings

Parameter	Value	Units
Power Supply and/or Modulation Input Voltage	2.2 ~ 5.5	V
Operating temperature	-40 to +80	°C

Transmitter Characteristics

Parameter	Symbol	Condition	Value			Unit
			min.	typ.	max.	
Output power		V _{cc} =3.0V, TA=27°C, 50Ω load	315MHz	3		dBm
			433.92MHz	3		dBm
Supply current	I _{cc}			10		mA
Supply voltage Range	V _{cc}		2.2	3	5.5	V
Data Rate			300		10K	bps



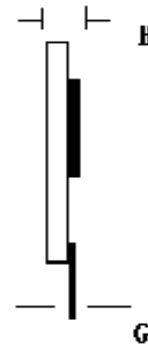
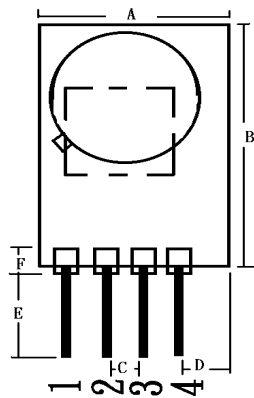
TXC1

315/433.92 MHz

Hybrid Transmitter

Pin assignment

PIN	Connections
1	GND
2	DATA
3	VCC
4	ANT



Dimensions	Millimeters	Dimensions	Millimeters
A	14.5 +/-0.25mm	E	5.9 +/-0.1mm
B	18.5 +/-0.25mm	F	0.1 +/-0.05mm
C	2.54 (MAX)	G	0.3 +/-0.01mm
D	5.0 +/-0.1mm	H	4 +/-0.25mm

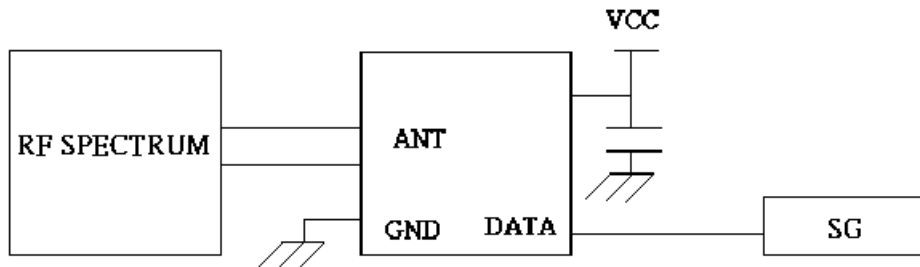


TXC1

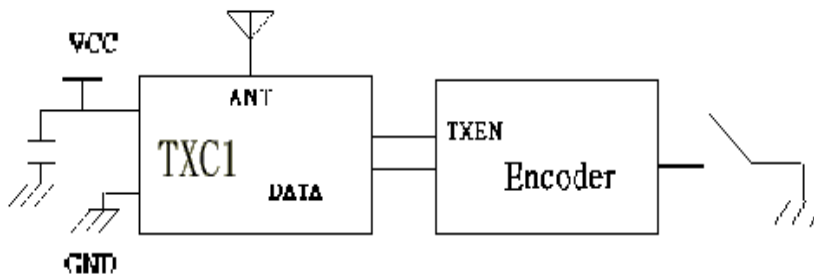
315/433.92 MHz

Hybrid Transmitter

Typing Test Circuit



Typical transmitter Application



Notes:

1. Encoder : HT12D/F , PTC (2262)
2. Antenna : Length = 22.6cm for 315MHz ; Length = 17.2 cm for 433.92MHz.