

General Description:

The ST-TX01 is ASK Hybrid SAW based transmitter provides a complete RF transmitter solution, which can be transmitted data at up to 3KHz from any microprocessor or standard Encode IC.

The compact small size and low cost design keeping the components count down and ensuring the low hardware cost.

The module is compatible with SUMMITEK Technology Ltd. range of ASK receiver modules.

Features:

- Wireless security systems
- CMOS/TTL Input
- No Adjustable Components
- Stable Operating Frequency
- Low Current Consumption
- Wide Operating Range
- ASK Modulation
- Available as 315 / 433.92MHz

Applications:

- Complete RF Transmitter
- Car Alarm systems
- Remote controls.
- Sensor reporting
- Automation systems

PIN Description:



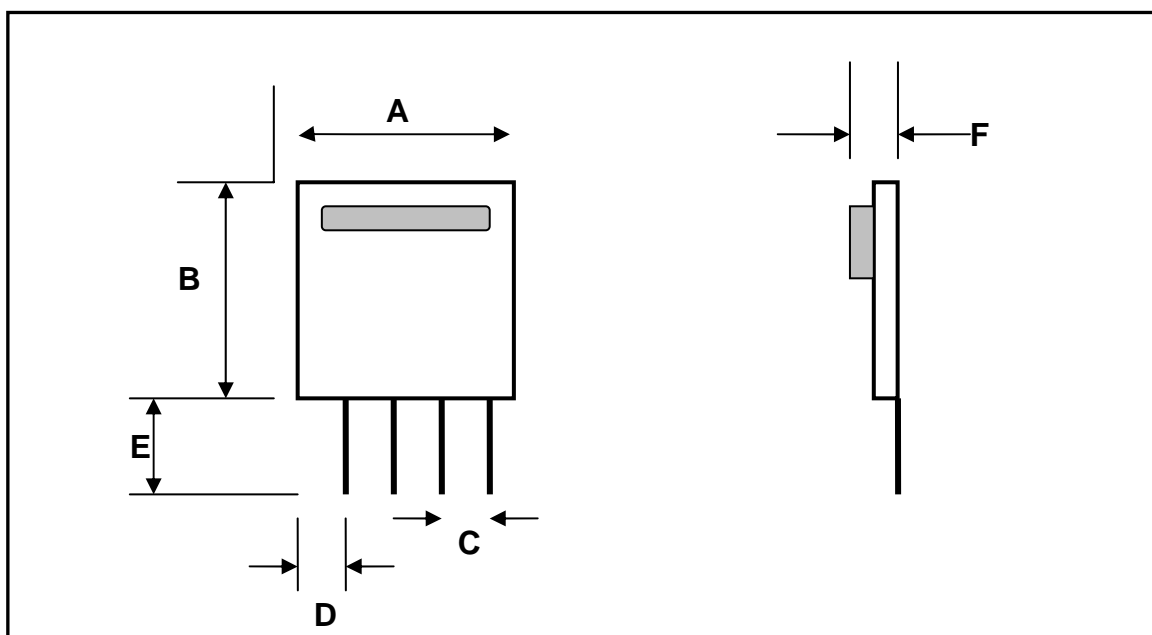
- | | |
|---|------|
| 1 | ANT |
| 2 | VCC |
| 3 | DATA |
| 4 | GND |

1 2 3 4

Absolute Maximum Ratings:

Parameter	Condition	Specification						Unit
		Min	Typical				Max	
Supply Voltage			3V	5V	9V	12V		V
Output power	DATA Rate:1Kbps	315MHz	6	12	14	16		dBm
		Supply current	13	25	49	55		mA
		434MHz	6	12	14	16		dBm
		Supply current	13	25	49	55		mA
Tune on Time	Data start out by Vcc turn on	10	20					ms
Data Rate			1k				3k	bps
Input duty	1kbps data rate	45					55	%
Temperature		-20					60	°C

Mechanical Dimension:



Dimensions	Millimeters	Dimensions	Millimeters
A	13(+/-0.05)	D	3.0
B	19(+/-0.05)	E	5.5
C	2.54	F	5.5

Unit:mm

Typical Application:

