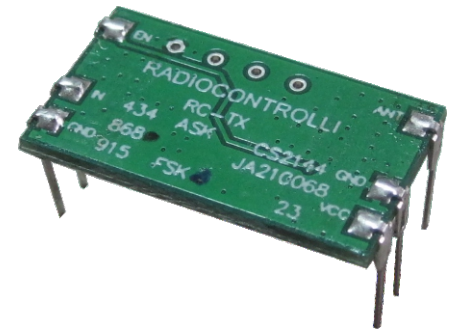


FSK Radio Transmitter Module

RC-TXFSK-XXX

is an FSK Radio Transmitter Module with Crystal oscillator.
Dual in line package operating at 3.0V.
Output Power = 10dBm
Power down mode is also available.

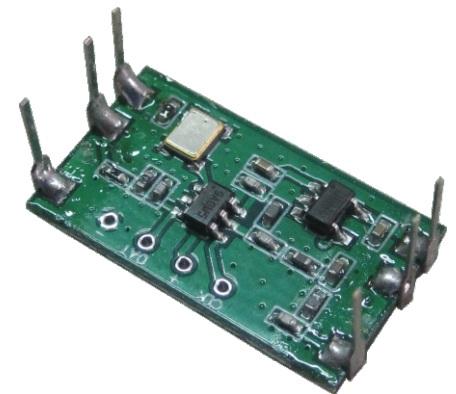


Standard versions:

RC-TXFSK-433 =====> Frequency 433.92MHz
RC-TXFSK-868 =====> Frequency 868.35MHz

Available versions :

RC-TXFSK-433.42 ==> Frequency 433.42MHz
RC-TXFSK-434.15 ==> Frequency 434.15MHz
RC-TXFSK-434.50 ==> Frequency 434.50MHz
RC-TXFSK-868.95 ==> Frequency 868.95MHz
RC-TXFSK-869.50 ==> Frequency 869.50MHz



Possible versions :

On request we can customize the frequency value :

- From 433.00 MHz to 435.00 MHz with step of 0,01 MHz
- From 867.00 MHz to 870.00 MHz with step of 0,01 MHz

Applications :

- Wireless security systems
- Home and building automation
- Automatic Measure Reading
- Wireless Sensor Network

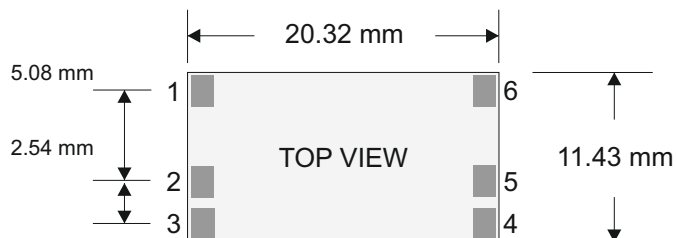
Technical Characteristics

Characteristics	MIN	TYP	MAX	UNIT
V _{CC} Supply Voltage (3 Volt version)	2.2	3	3.6	Vdc
I Supply Current (TX mode)		21		mA
I _s Current Consumption (standby mode)		< 3		µA
P _o RF Power Output		10(*)		dBm
F Frequency		433/868		MHz
F Frequency Tolerance		+/- 20		KHz
Max Data Rate			50	Kbit/s
T _{OP} FSK Deviation		35		KHz
Power Up Time			1	ms
T _{OP} Operating Temperature Range	-25		+80	°C

(*) We recommend the use of an antenna with a gain not higher than 3dB

The final application that uses this TX module must have a Duty Cycle less than or equal to 10% in a time of 1 hour.

Mechanical dimensions



Pin Description

Pads	Name	Description
1	EN	Enable
2	IN	Data In
3	GND	Ground
4	VCC	VCC Power
5	GND	Ground
6	ANT	External Antenna

EN = LOW ----> Shut down mode
 EN = HIGH ----> TX mode

Typical Applications :

