

FSK Radio Transmitter Module

RC-TFSK4-XXXN

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-TFSK4-433N =====> Frequency 433.92MHz
RC-TFSK4-868N =====> Frequency 868.35MHz

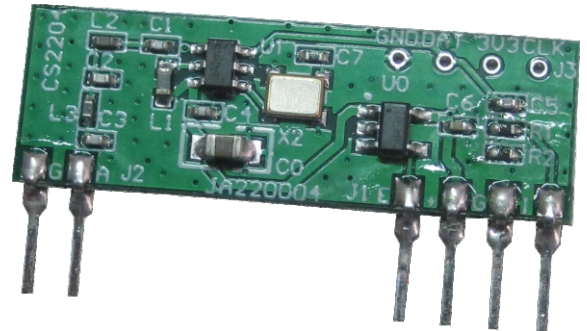
Available versions :

RC-TFSK4-433.42N ==> Frequency 433.42MHz
RC-TFSK4-434.15N ==> Frequency 434.15MHz
RC-TFSK4-434.50N ==> Frequency 434.50MHz
RC-TFSK4-868.95N ==> Frequency 868.95MHz
RC-TFSK4-869.50N ==> 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
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- Pin to pin compatible with the version RC-TFSK4-XXX*



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 Band		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

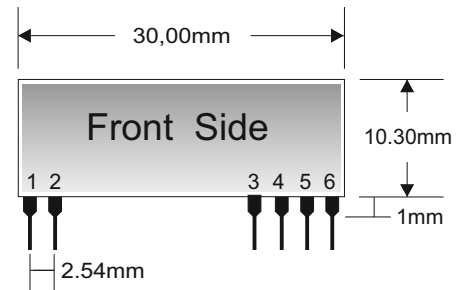
(*) We recommend the use of an antenna with a gain not higher than 3dB

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.

Pin Description

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

Mechanical dimensions



Typical Applications :

