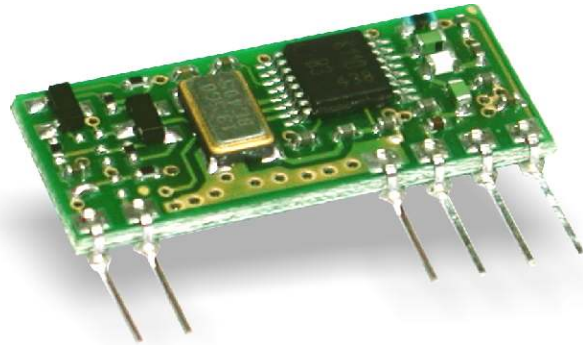


# TX-FM-MID

## 434 MHz PLL FSK Transmitter

3V

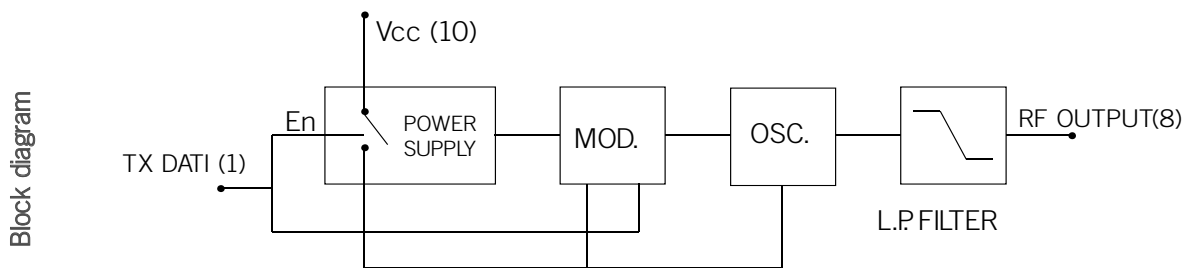


### Description

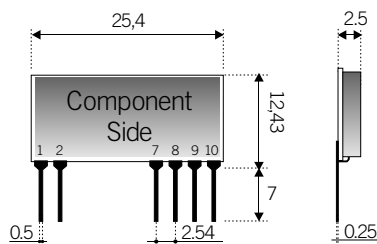
434 MHz transmitter module with FSK modulation and external antenna for LPD applications. Pin to pin compatible with ASK AUREL TX-SAW-MID modules. In compliance with European Normative EN 300-220 and EN 301-489.

### Descrizione

Modulo trasmettitore RF a 434 MHz con modulazione FSK ed antenna esterna per applicazioni LPD. Pin to pin compatibile con i moduli AUREL FSK TX-SAW-MID. In accordo con le normative europee EN 300-220 e EN 301-489.



### Mechanical Dimensions



### Pin-out

- 1 = Tx DATI
- 2 = GND
- 7 = GND
- 8 = Uscita RF
- 9 = GND
- 10 = Vcc

# 434 MHz PLL FSK Transmitter

## Technical Specification

Ta = 25 °C

Characteristics	Min	Typ	Max	Unit
V <sub>S</sub> Supply Voltage	2.1	3	3.6	Vdc
I <sub>S</sub> Supply Current	11	14	16	mA
I <sub>PD</sub> Supply Current (power down mode)		< 1		µA
F <sub>W</sub> Carrier frequency		433.92		MHz
P <sub>O</sub> RF Output power	7	10	12	dBm
Z <sub>O</sub> RF Output Impedance		50		Ω
D <sub>F</sub> Deviation		± 20		KHz
F <sub>M</sub> Square wave modulation		5	40	KHz
L <sub>I</sub> Input logic level	0		Vs	V
T <sub>WU</sub> Wake up time <sup>(1)</sup>		1.4		ms
T <sub>OP</sub> Operating temperature range	-20		+80	°C

<sup>(1)</sup>Device wake up time from first low-high transaction on input data pin. The first 1.4ms of data aren't so transmitted.

## Specifiche Tecniche

Ta = 25 °C

Caratteristiche	Min	Typ	Max	Unità
V <sub>S</sub> Alimentazione	2.1	3	3.6	Vdc
I <sub>S</sub> Corrente assorbita	11	14	16	mA
I <sub>PD</sub> Corrente assorbita (power down mode)		< 1		µA
F <sub>W</sub> Frequenza portante		433.92		MHz
P <sub>O</sub> Potenza di uscita RF	7	10	12	dBm
Z <sub>O</sub> Impedenza d'uscita RF		50		Ω
D <sub>F</sub> Deviazione		± 20		KHz
F <sub>M</sub> Frequenza di modulazione		5	40	KHz
L <sub>I</sub> Livello logico d'ingresso	0		Vs	V
T <sub>WU</sub> Tempo di accensione <sup>(1)</sup>		1.4		ms
T <sub>OP</sub> Temperatura di lavoro	-20		+80	°C

<sup>(1)</sup>Tempo di accensione del dispositivo dal primo fronte di salita sul pin di ingresso dati. I primi 1.4ms di dati non vengono perciò trasmessi.

Part Number / Model

650200926  
mod. TX-FM-MID