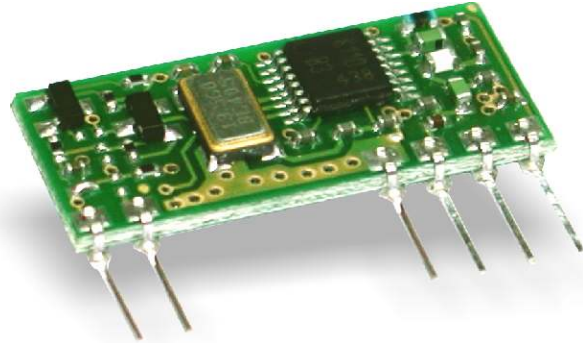


TX-FM-MID

434 MHz PLL FSK Transmitter

3V

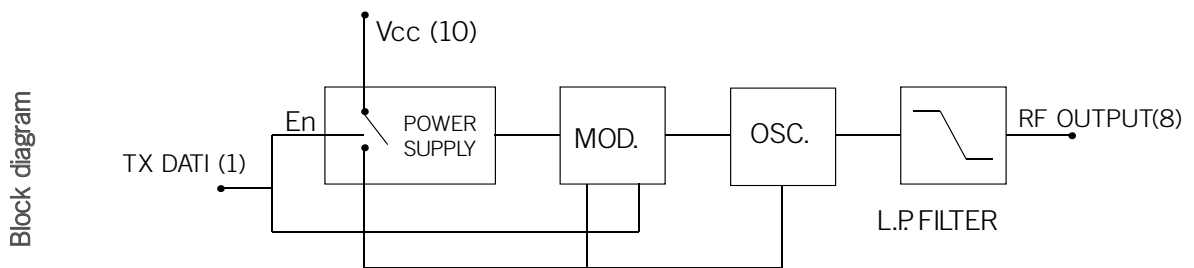


Description

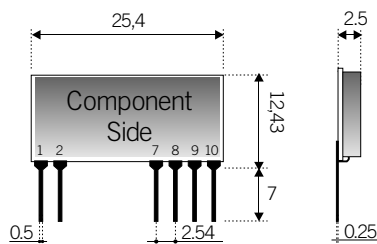
434 MHz transmitter module with FSK modulation and external antenna for LPD applications. Pin to pin compatible with ASK AUREL TX-SAW-MID modules. In compliance with European Normative EN 300-220 and EN 301-489.

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 _S Supply Voltage	2.1	3	3.6	Vdc
I _S Supply Current	11	14	16	mA
I _{PD} Supply Current (power down mode)		< 1		μA
F _W Carrier frequency		433.92		MHz
P _O RF Output power	7	10	12	dBm
Z _O RF Output Impedance		50		Ω
D _F Deviation		± 20		KHz
F _M Square wave modulation		5	40	KHz
L _I Input logic level	0		V _S	V
T _{WU} Wake up time ⁽¹⁾		1.4		ms
T _{OP} Operating temperature range	-20		+80	°C

⁽¹⁾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 _S Alimentazione	2.1	3	3.6	Vdc
I _S Corrente assorbita	11	14	16	mA
I _{PD} Corrente assorbita (power down mode)		< 1		μA
F _W Frequenza portante		433.92		MHz
P _O Potenza di uscita RF	7	10	12	dBm
Z _O Impedenza d'uscita RF		50		Ω
D _F Deviazione		± 20		KHz
F _M Frequenza di modulazione		5	40	KHz
L _I Livello logico d'ingresso	0		V _S	V
T _{WU} Tempo di accensione ⁽¹⁾		1.4		ms
T _{OP} Temperatura di lavoro	-20		+80	°C

⁽¹⁾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

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