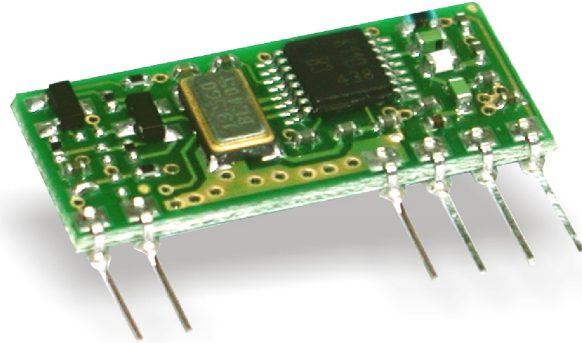


TX-FM-MID/EN

434 MHz PLL FSK Transmitter

3V

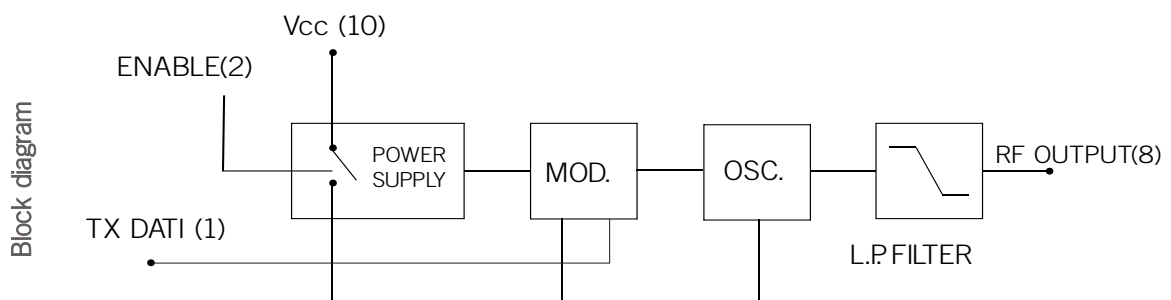


Description

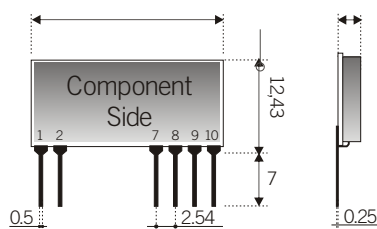
434MHz transmitter module with FSK modulation and external antenna for LPD applications. It presents an enable pin to permit to minimize the consumption (in power down the device has a consumption less than 1µA). In compliance with european normatives EN 300-220 and EN 301-489.

Descrizione

Modulo trasmettitore RF a 434MHz con modulazione FSK ed antenna esterna per applicazioni LPD. Presenta un pin di Enable per consentire di minimizzare il consumo (in power down il dispositivo consuma meno di 1µA). In accordo con le normative europee EN 300-220 e EN 301-489.



Mechanical Dimensions



Pin-out

- 1 = Tx DATI
- 2 = Enable
- 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 _{OP} Operating temperature range	-20		+80	°C

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 _{OP} Temperatura di lavoro	-20		+80	°C

Part Number / Model

650200927
mod. TX-FM-MID/EN