EN: This Datasheet/Document is presented by the manufacturer.

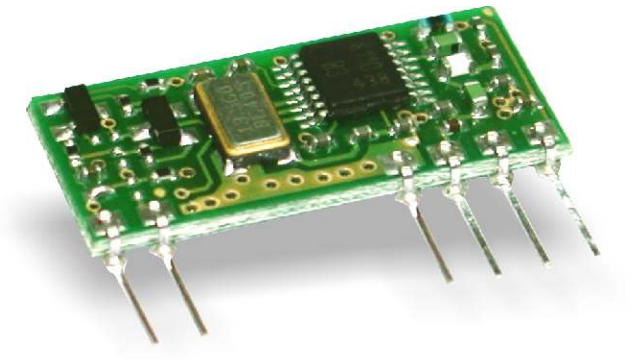
Please visit our website for pricing and availability at www.hestore.hu.

FM FSK 433.92

TX-FM-MID

434 MHz PLL FSK Transmitter

3V



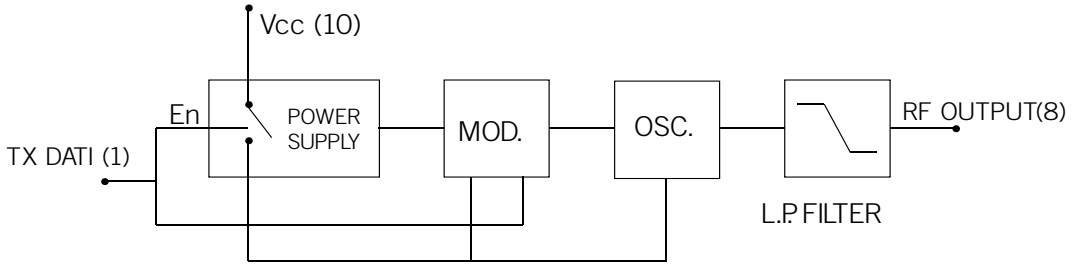
Description

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.

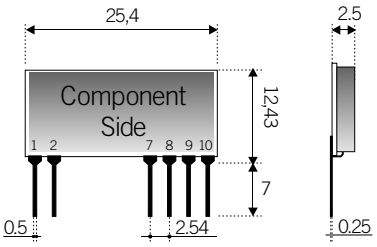
Descrizione

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.

Block diagram



Mechanical Dimensions



Pin-out

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

All dimensions are in millimeters

© Copyright AUREL Wireless | 2 May, 2005

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		Ù
D_F	Deviation		± 20		KHz
F_M	Square wave modulation		5	40	KHz
L_I	Input logic level	0		Vs	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		Ù
D_F	Deviazione		± 20		KHz
F_M	Frequenza di modulazione		5	40	KHz
L_I	Livello logico d'ingresso	0		Vs	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

AUREL S.p.A. • Via Foro dei Tigli, 4 • I 47015 Modigliana (FC) Italy • Phone : +39-0546.941124 • Fax : +39-0546.941660
http://www.aurelwireless.com • email: rfcomm@aurel.it