

433 MHz ASK transmitter

for high range voltage supply application

TX-SAW 434 L

P.N. 650201409G

DESCRIZIONE

Modulo trasmettitore con oscillatore SAW operante a 434MHz in modulazione ASK.

Alimentazione regolata internamente per funzionamento con tensione fino a 12V.

Ideale come sostituto del modello obsoleto TX-SAW-433/s-Z.

Disponibile versione con alimentazione 3V mod. TX-SAW-L-3V (650201410G)

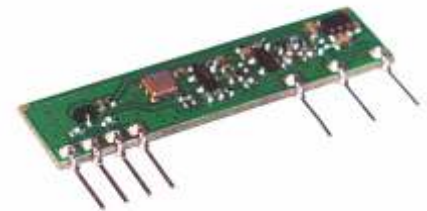
DESCRIPTION

SAW oscillator transmitter module, operating at 434MHz in ASK modulation.

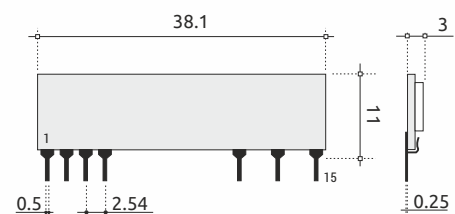
Regulated power supply for operation up to 12V.

Ideal as a replacement of the model TX-SAW-433/s-Z.

Available 3V version mod. TX-SAW-L-3V (650201410G)



DIMENSIONS



PIN-OUT

- 1) GND
- 2) Input modulation
- 3) Input modulation
- 4) GND
- 11) RF out
- 13) GND
- 15) +Vcc

TECHNICAL SPECIFICATION

Ta = 25 °C

CARATTERISTICHE	CHARACTERISTICS	MIN	TYP	MAX	UNIT
Centro-frequenza RF di trasmissione	Carrier frequency	433.83	433.92	434	MHz
Alimentazione	Supply voltage	1.8	5	12	V
Corrente assorbita in stand-by	Supply current in stand-by mode		0.1	1	µA
Corrente assorbita in TX ⁽¹⁾	Supply current in TX ⁽¹⁾		15		mA
Potenza RF a 433,92 MHz / 3÷12V	RF output power 433.92 MHz / 3÷12V	9	10	12	dBm
Potenza RF a 433,92 MHz / 1.8÷3V	RF output power 433.92 MHz / 1.8÷3V	6		10	dBm
Emissioni RF spurie fino a 4 GHz	RF spurious emission up to 4 GHz			-40	dBm
Frequenza modulazione	Square wave modulation			10	KHz
Livello alto ingresso dati (3÷12V pin15)	Data input high voltage (3÷12V pin15)	2.5		3	V
Livello alto ingresso dati (1.8÷3V pin15)	Data input high voltage (1.8÷3V pin15)			+Vcc	V
Tempo commutazione stand-by > TX	Switch time stand-by > TX			50	µS
Temperatura di funzionamento	Operating temperature	-20		+70	°C

⁽¹⁾Consumption measured with square wave data-IN

