

# 433 MHz ASK transmitter with integrated antenna

## TX-SMD-AI

### DESCRIZIONE

Trasmettitore in tecnologia SMT con antenna integrata operante a 433MHz in modulazione ASK.

Componente ideale da integrare su radiocomandi e circuiti di piccole dimensioni.

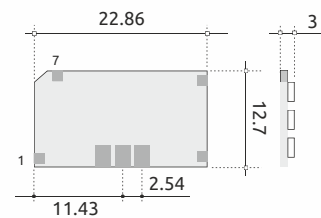
### DESCRIPTION

SMT transmitter with integrated antenna, operating at 434 MHz in ASK modulation.

Ideal to be integrated in Key fobs, small hardware and portable devices.



### DIMENSIONS



### PIN-OUT

- 1) N.C.
- 2) +Vcc 1.8÷3.3V
- 3) GND
- 4) Data IN
- 5) N.C.
- 6) N.C.
- 7) N.C.

## TECHNICAL SPECIFICATION

Ta = 25 °C

CARATTERISTICHE	CHARACTERISTICS	MIN	TYP	MAX	UNIT
Centro-frequenza RF di trasmissione	Carrier frequency	433.83	433.91	433.98	MHz
Alimentazione	Supply voltage	1.8	3	3.3	V
Corrente assorbita in stand-by	Supply current in stand-by mode		0.1	1	µA
Corrente assorbita in trasmissione <sup>(1)</sup>	Supply current in TX mode <sup>(1)</sup>		21		mA
Potenza RF a 433,92 MHz / 3V	RF output power 433.92 MHz / 3V	-4	0	2	dBm
Delta ERP range alimentazione 1.8÷3.3V	Delta ERP voltage supply range 1.8÷3.3V		6		dB
Potenza ERP armoniche fino a 4 GHz	ERP spurious up to 4 GHz			-40	dBm
Frequenza modulazione	Square wave modulation			5	KHz
Temperatura di funzionamento	Operating temperature	-20		+70	°C

<sup>(1)</sup>Consumption measured with square wave data-IN

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