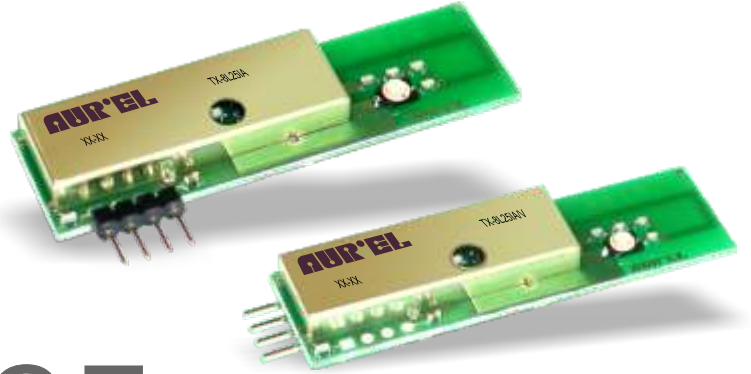


TX-8L25IA  
TX-8L25IA/V



868.3 MHz AM (OOK) transmitters  
with dedicated antenna

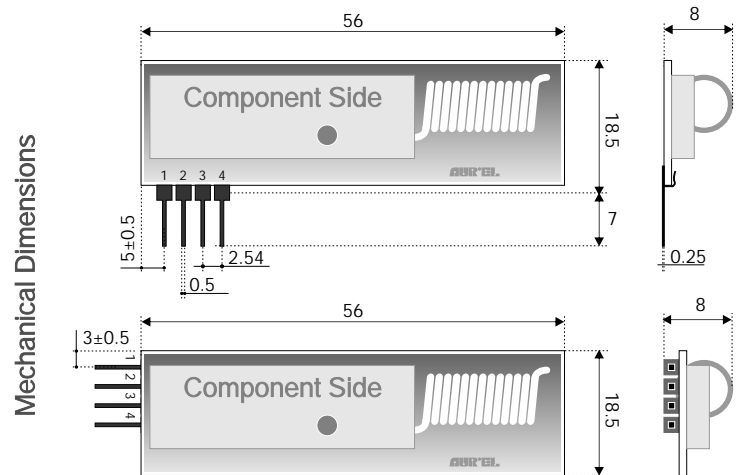
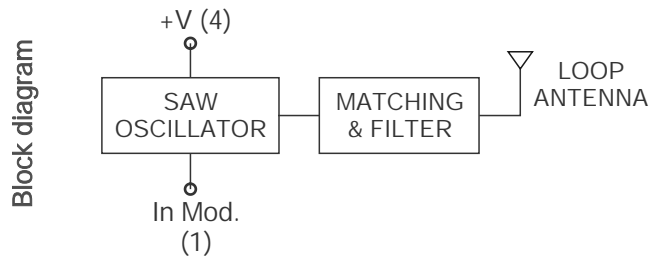


25<sub>mW</sub> E.R.P.

## Description

SAW transmitters module with dedicated loop antenna ideal for applications where it is required maximum irradiated power and minimal space occupation.

In compliance with European Normative



## Pin-out

- 1) Input mod.
- 2) Ground
- 3) Ground
- 4) +V

## Descrizione

Modulo trasmettitore SAW con antenna dedicata, ideale per applicazioni ove sia richiesta la massima potenza irradiabile e il minimo ingombro in termini di spazio occupato. Conforme alle Normative Europee.

AM OOK 868.30  
code sending

# 868.3 MHz AM (OOK) transmitter with dedicated antenna

## Technical Specification

Ta = 25 °C

| Characteristics                             | Min | Typ   | Max | Unit |
|---|-----|-------|-----|------|
| V <sub>s</sub> Supply Voltage               | 2.5 | 3     | 3.3 | Vdc  |
| I <sub>s</sub> Supply Current (*)           |     | 25    |     | mA   |
| F <sub>c</sub> Carrier frequency            |     | 868.3 |     | MHz  |
| P <sub>o</sub> RF Output power (E.R.P.)     |     | 25    |     | mW   |
| E <sub>s</sub> RF spurious emission         |     | -50   |     | dBm  |
| F <sub>M</sub> Square wave modulation       |     |       | 5   | KHz  |
| L <sub>H</sub> High logic level             | 2.7 |       | 3.3 | V    |
| L <sub>L</sub> Low logic level              | 0   |       | 0.2 | V    |
| T <sub>OP</sub> Operating temperature range | -20 |       | +80 | °C   |

(\*) Duty Cycle 50%

## Specifiche Tecniche

Ta = 25 °C

| Caratteristiche                              | Min | Tip   | Max | Unit |
|--|-----|-------|-----|------|
| V <sub>s</sub> Alimentazione                 | 2.5 | 3     | 3.3 | Vdc  |
| I <sub>s</sub> Corrente assorbita (*)        |     | 25    |     | mA   |
| F <sub>c</sub> Frequenza portante            |     | 868.3 |     | MHz  |
| P <sub>o</sub> Potenza di uscita (E.R.P.)    |     | 25    |     | mW   |
| E <sub>s</sub> Emissioni RF spurie           |     | -50   |     | dBm  |
| F <sub>M</sub> Frequenza di modulazione      |     |       | 5   | KHz  |
| L <sub>H</sub> Livello logico alto (@Vs=3V)  | 2.7 |       | 3.3 | V    |
| L <sub>L</sub> Livello logico basso (@Vs=3V) | 0   |       | 0.2 | V    |
| T <sub>OP</sub> Temperatura di lavoro        | -20 |       | +80 | °C   |

(\*) Duty Cycle 50%

### Part Number / Model

P.N. 650200846 mod. TX-8L25IA  
P.N. 650200847 mod. TX-8L25IA/V