

# 868 MHz PLL FM Transmitter module with External Antenna

**Pin-out**

- 1) Ground
- 2) Data Input
- 4) Ground
- 11) RF Output
- 13) Ground
- 15) +V

## TX-8L30PF06

### PLL FM Transmitter

**6 dBm**

**3V**

Information subject to change without notice

## Description

PLL FM transmitter (2FSK) with external antenna ideal for application when you need to modulate ON-OFF a RF carrier with digital signals. Pin to pin compatible with all OOK AUREL transmitters.

Null consumption without modulation signal. In compliance with EN 300 220, EN 301 489 & EN 60950 European Normative.

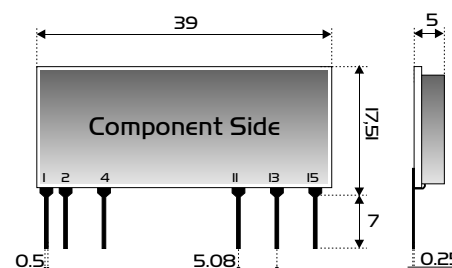
## Descrizione

Modulo trasmettitore PLL in modulazione di frequenza (2FSK) con antenna esterna per applicazioni RF con dati digitali.

Il modulo è pin-to-pin compatibile con la serie di trasmettitori OOK AUREL.

Consumo nullo in assenza di segnale modulante. In accordo con le Normative Europee EN 300 220, EN 301 489 ed EN 60950.

## Mechanical Dimensions



Ta = 25 °C

## Technical Specification

| CHARACTERISTICS |                                                     | MIN | TYP            | MAX | UNIT |
|-----------------|-----------------------------------------------------|-----|----------------|-----|------|
| V <sub>s</sub>  | Supply Voltage • Alimentazione                      | 2   | 3              |     | Vdc  |
| I <sub>s</sub>  | Supply Current • Corrente assorbita                 | 13  | 19             | 26  | mA   |
| F <sub>c</sub>  | Carrier frequency • Frequenza portante              |     | 868.3          |     | MHz  |
| P <sub>o</sub>  | RF Output power • Potenza di uscita RF              | +3  | +6             |     | dBm  |
| Z <sub>o</sub>  | RF Output Impedance • Impedenza d'uscita RF         |     | 50             |     | Ω    |
| D <sub>f</sub>  | Deviation • Deviazione                              |     | ±35            |     | KHz  |
| F <sub>M</sub>  | Square wave modulation • Frequenza di modulazione   |     |                | 10  | KHz  |
| L <sub>i</sub>  | Input logic level • Livello logico d'ingresso       |     | V <sub>s</sub> |     | V    |
| T <sub>wu</sub> | Wake up time • Tempo di accensione                  |     | 6              |     | ms   |
| T <sub>op</sub> | Operating temperature range • Temperatura di lavoro | -20 |                | +80 | °C   |

Product Code: 650200655