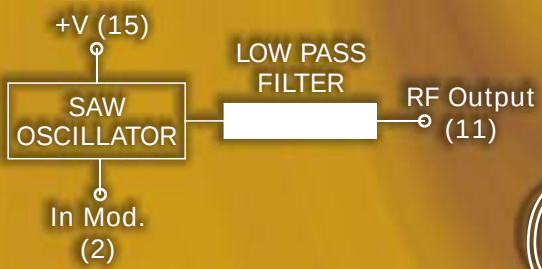


# SAW RF Transmitter Module

## 400 to 600 mW RF Output

**TX-SAW BOOST**  
 (650200427)



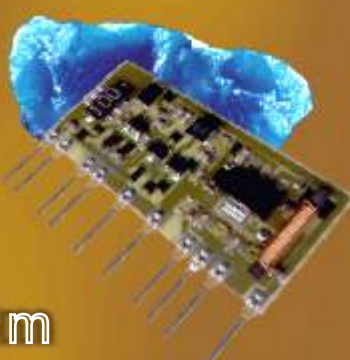
@12v 26dBm

@15v 28dBm

Variable Power Supply

**Pin-out**

- 1) Ground
- 2) Input Mod.
- 4) Ground
- 5) Ground
- 7) Ground
- 9) Ground
- 11) RF Output
- 12) Ground
- 13) Ground
- 15) +V (12 to 18V)



Information subject to change without notice

### Description

SAW transmitter module with external antenna ideal for applications when you need to modulate ON-OFF a RF carrier with digital signals.

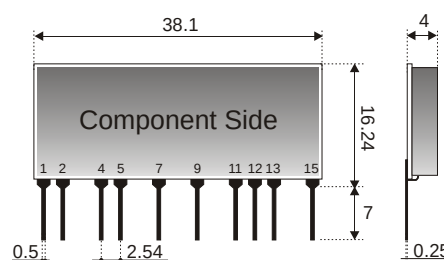
High power and low spurious RF emission are the main characteristics.

### Descrizione

Modulo trasmettitore SAW con antenna esterna per applicazioni con modulazione ON-OFF di una portante RF con dati digitali.

L'elevata potenza e la bassa emissione di spurie sono elementi primari del modello.

### Mechanical Dimensions



### Technical Specification

Ta = 25 °C

| CHARACTERISTICS  |                                                          | MIN            | TYP    | MAX            | UNIT |
|------------------|----------------------------------------------------------|----------------|--------|----------------|------|
| V <sub>S</sub>   | Supply Voltage • Alimentazione                           | 12             |        | 15             | Vdc  |
| I <sub>S</sub>   | Supply Current • Corrente assorbita                      | 60             |        | 70             | mA   |
| F <sub>C</sub>   | Working frequency • Frequenza di lavoro                  |                | 433.92 |                | MHz  |
| P <sub>ERP</sub> | RF Output power (E.R.P.) • Potenza di uscita RF (E.R.P.) | 26             |        | 28             | dBm  |
| Z <sub>o</sub>   | RF output impedance • Impedenza d'uscita RF              |                | 50     |                | Ω    |
| F <sub>M</sub>   | Square wave modulation • Frequenza di modulazione        | 4              |        | 4              | KHz  |
| L <sub>I</sub>   | Input logic level • Livello logico d'ingresso            | V <sub>S</sub> |        | V <sub>S</sub> | V    |
| T <sub>OP</sub>  | Operating temperature range • Temperatura di lavoro      | -20            |        | +80            | °C   |

Products not suggested for new projects or to be used in special applications.  
 Prodotto non consigliato per nuovi progetti o destinato ad applicazioni speciali.

Technical Mail : [Lab-el@aurel.it](mailto:Lab-el@aurel.it)