

# Multichannel High Power Transmitter

869 MHZ FSK HIGH POWER 500 mW

## TX 869 BOOST

Part Number: 650201088G

### DESCRIZIONE

Modulo trasmettitore multicanale FSK con antenna esterna per applicazioni di trasmissione di dati digitali a lunga distanza. Conforme CEPT 70-03 Annesso 1 43

### APPLICATIONS

- ▣ Localizzazione animali
- ▣ Irrigazione giardini
- ▣ Telesoccorso
- ▣ Segnaletica stradale temporanea
- ▣ Telemetria ambientale

### DESCRIPTION

Multichannel FSK transmitter module with external antenna ideal for applications of long range digital data transmission. Compliant to CEPT 70-03 Annex 1 43

### APPLICATIONS

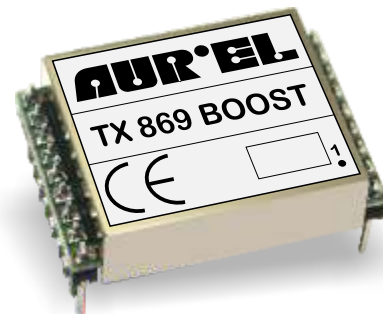
- ▣ Animal Tracking
- ▣ Garden Irrigation
- ▣ Rescue
- ▣ Road works lighting
- ▣ Environment telemetry

### TECHNICAL SPECIFICATION

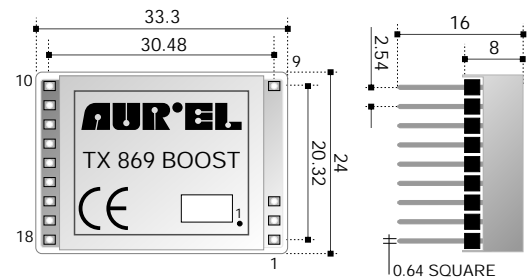
Ta = 25 °C

CHARACTERISTICS	CARATTERISTICHE	MIN	TYP	MAX	UNIT
Supply voltage	Alimentazione	3	5	5.5	Vdc
Supply current	Corrente assorbita		420	480	mA
Supply current (STAND BY)	Corrente assorbita (STAND BY)		0.3	1	µA
Working frequency (4 CH)	Frequenza di lavoro (4 CANALI)		869.45 - 869.60		MHz
RF output power	Potenza in uscita RF	+24	+27		dBm
RF output impedance	Impedenza di uscita RF		50		Ohm
Output high voltage (DATA IN)	Livello alto d'uscita (DATA IN)	2.8		5.5	V
Output low voltage	Livello basso d'uscita			0.1	V
Data rate Manchester	Data rate Manchester	0.5		19.2	Kbps
Operating temperature range	Temperatura di lavoro	-20		+80	°C

### DIMENSIONS



### COMPONENT SIDE



### PIN-OUT

- |            |                 |
|------------|-----------------|
| 1) GND RF  | 13) AUX IN (NC) |
| 2) ANT     | 14) DATA IN     |
| 3) GND RF  | 15) PA-CTRL     |
| 9) GND     | 16) ENABLE      |
| 10) GND    | 17) VCC         |
| 11) FSEL 0 | 18) GND         |
| 12) FSEL 1 |                 |