

ASK TRANSMITTER 433.92 MHz - 50 Ω OUTPUT

Cod. 3-2000618

DESCRIPTION:

ASK transmitter, carrier frequency obtained with a SAW resonator, manufactured in SMT technology on printed circuit. A "buffer" state divides output from oscillator ensuring more stability and less harmonics emissions.

HIGHLIGHTS:

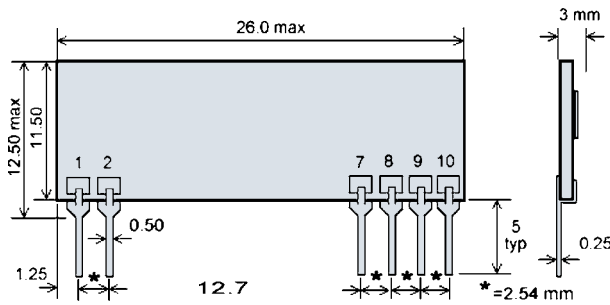
Standby less than 0.1 μA. Compatible input with TTL and CMOS levels. Developed according to I-ETS 300 220 and ETS 300 683 European Standard.

APPLICATIONS:

Security Systems, Surveillance Systems, Data Transmission, etc...



MECHANICAL CHARACTERISTICS



Pin functions

- 1 = Tx DATA
- 2 = GND
- 7 = GND
- 8 = RF Output (50Ω)
- 9 = GND
- 10 = Vcc

ABS. MAX. RATINGS

| | |
|---|-----------------|
| Power Supply, +Vcc, pin 10: | + 12 Volt |
| Voltage, with respect to GND, of pins 1, 8: | + 12 Volt |
| Storage Temperature: | - 40 ÷ + 100 °C |

ELECTRICAL CHARACTERISTICS AT 25 °C :

| Parameter | Min. | Tip. | Max | Unit | Notes |
|-------------------------|--------|--------|--------|------|----------|
| Power Supply (+Vcc) | 4 | 5 | 6 | Volt | |
| Supply Current | - | 5.5 | - | mA | Note 1 |
| Carrier Frequency | 433.82 | 433.92 | 434.02 | MHz | |
| Output Power (50Ω load) | - | +10 | - | dBm | Note 1/2 |
| Rising Time | - | - | 8 | μs | Note 1 |
| Falling Time | - | - | 8 | μs | Note 1 |
| Start-up time | - | - | 40 | μs | |
| Logic Low | -0.7 | - | 0.4 | Volt | |
| Logic High | 4 | - | 6 | Volt | |
| Baud Rate | - | - | 38400 | Baud | |

Note 1: +Vcc = 5V, 1 kHz square wave modulation 0-3 V, duty-cycle 50%, logic "1" = 5 V.

Note 2: la potenza emessa dipende dal livello del "1" logico.