

# ASK TRANSMITTER 433.92 MHz - 50 Ω OUTPUT

cod. 3-2000618V3

## DESCRIPTION:

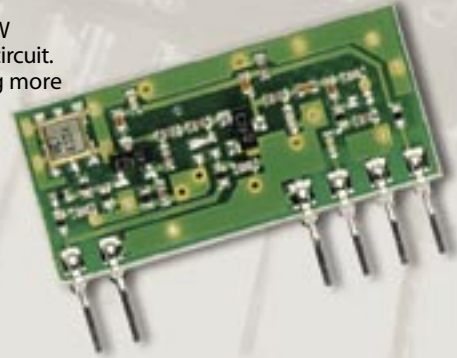
ASK transmitter, carrier frequency obtained with a SAW resonator, manufactured in SMT technology on printed circuit. A "buffer" state divides output from oscillator ensuring more stability and less harmonics emissions.

## HIGHLIGHTS:

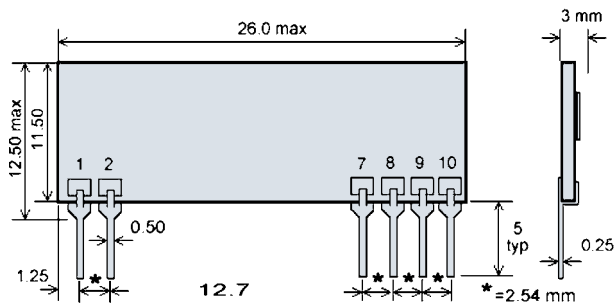
Standby less than 0.1 μA.  
Developed according to I-ETS 300 220  
and ETS 300 683 European Standard.

## 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.	Typ.	Max	Unit	Notes
Power Supply (+Vcc)	2.7	3	3.3	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	2.6	-	3.4	Volt	
Baud Rate	-	-	38400	Baud	

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

**Note 2:** the output power depends of the logic high level