

# ASK TRANSMITTER

## 433.92 MHz – 50 Ω OUTPUT

Cod. 3-2000901V3

**PRELIMINARY****DESCRIPTION:**

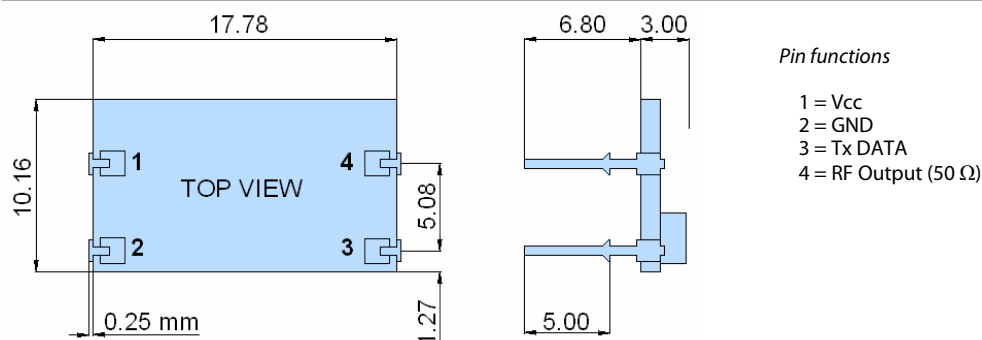
Ultra –compact SAW Resonator- stabilized ASK transmitter, manufactured in SMT technology on printed circuit.  
A “buffer” stage separates output from oscillator ensuring more stability and low harmonic emissions.

**HIGHLIGHTS:**

Stand-by current lower than 0.1 μA.  
Input compatible with TTL or CMOS logic.

**APPLICATIONS:**

Security systems, surveillance systems,  
data transmission, etc..

**MECHANICAL CHARACTERISTICS****ABS. MAX. RATINGS**

Power Supply, +Vcc, PIN 1:	+ 9 Volt
Voltage with respect to GND of pins 3, 4:	+ 9 Volt
Storage Temperature:	- 40 ÷ + 100 °C
Operating Temperature:	- 20 ÷ + 70 °C

**ELECTRICAL CHARACTERISTICS AT + 25 °C**

Parameter	Min.	Typ.	Max.	Unit	Notes
Power Supply (+Vcc)	2.7	3.0	3.3	Volt	
Supply Current	-	4.8	-	mA	Note 1
Carrier Frequency	433.82	433.92	434.02	MHz	
Output Power (50 Ω load)	-	+ 9	-	dBm	Note 1/2
Rise Time	-	-	8	μs	Note 1
Fall Time	-	-	8	μs	Note 1
Start-up Time	-	-	40	μs	
Logic Low	-0.7	-	0.4	Volt	
Logic High	2.7	-	3.3	Volt	
Baud Rate	-	-	38400	Baud	

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

**Note 2:** The output power varies with logic “1” level.