

# 868.3 MHz SUPER HETERODYNE FM/FSK RECEIVER

Cod. 3-2000874

**PRELIMINARY****DESCRIPTION:**

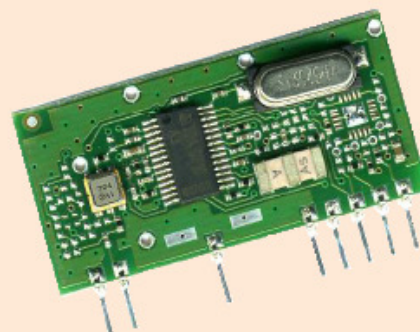
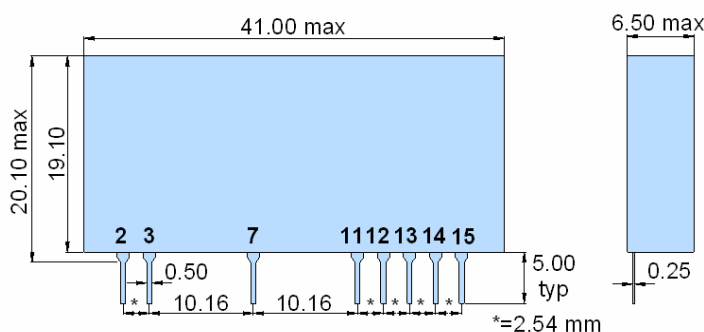
Super Heterodyne FSK receiver, manufactured in SMT technology on printed circuit board.

**HIGHLIGHTS:**

Developed according to I-ETS 300 220.

**APPLICATIONS:**

Security systems, data transmission, industrial controls.

**MECHANICAL CHARACTERISTICS***Pin functions*

- 2 = GND
- 3 = RF Input (50 Ω)
- 7 = GND
- 11 = GND
- 12 = + 5 Vdc (PWR down control)
- 13 = T.P.
- 14 = TTL Output
- 15 = + 5Vdc

**ABS. MAX. RATINGS**

Power Supply, +Vcc, PIN 12, 15:	+ 6 Volt
Radio Frequency Input, pin 3:	+ 10 dBm
Output pins voltage with respect to GND:	Vcc
Storage Temperature:	- 40 ÷ + 100 °C
Operational Temperature:	- 10 ÷ + 70 °C

**ELECTRICAL CHARACTERISTICS AT THE TEMPERATURE OF + 25 °C**

Parameter	Min.	Typ.	Max.	Unit	Notes
Power Supply (+Vdc)	4.5	5	5.5	Volt	
Supply Current	-	5.5	7.0	mA	
Receiver Frequency	-	868.300	-	MHz	
Sensitivity	-	- 96	-	dBm	Note 1
RF Bandwidth -3dB	-	150	-	kHz	
Baud rate	-	-	9600	Baud	Note 2
Logic Low	GND	-	0.05	Volt	
Logic High	4.2	-	+ Vcc	Volt	

**Note 1:** FM modulation, square wave, 1 KHz frequency (frequency deviation +/- 15 kHz).

**Note 2:** Input level -90 dBm, square wave modulation, 25 kHzp deviation.

**Note 3:** All RF parameters measured with input (pin 3) connected to 50 Ohm impedance signal source or load.