



868.3 MHz SUPERHETERODYNE AM/ASK RECEIVER with μ C DECODER ON BOARD

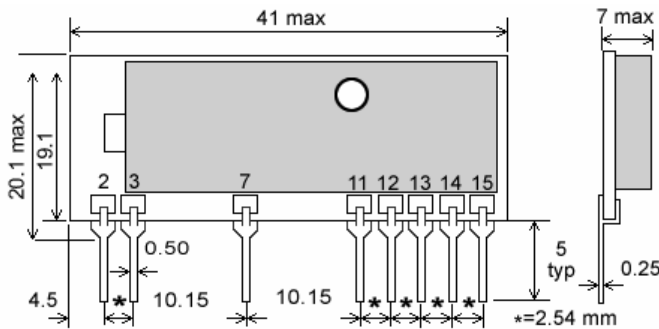
p.n. 32000915

Description: Super Heterodyne ASK Receiver, manufactured in SMT technology on glass-epoxy laminate. A μ P on board provides self-learning function and decoding system.

Highlights: High sensitivity and stability.

Applications: Industrial Radio Controls.

Mechanical Characteristics:



PIN FUNCTIONS

- 2 = GND
- 3 = RF IN (50 Ω)
- 7 = GND
- 11 = GND
- 12 = + Vdc (Power Down)
- 13 = CH2 out
- 14 = CH1 out
- 15 = + Vdc (Power Down)

Abs. Max. Ratings:

Power Supply, Vcc, pin 1, 12	: + 6 Volt
Radio Frequency Input, pin 3	: +10 dBm
Storage Temperature	: - 40 \div + 100 $^{\circ}$ C
Operational Temperature	: - 20 \div + 70 $^{\circ}$ C

Electrical Characteristics at the Temperature 25 $^{\circ}$ C.

Parameter	Min.	Typ.	Max	Units	Note
Power Supply (Vdc)	4.5	5	5.5	Volt	
Supply Current	-	-	8	mA	
Receive Frequency	-	868.3	-	MHz	
Sensitivity	-	-105	-	dBm	Note 1
Antenna Spurious RF Emission	-	-	-65	dBm	
Logic Low	GND	-	0.05	Volt	
Logic High	4	-	Vdc	Volt	
Baud Rate	-	-	2400	Baud	
Power Down Supply Current	-	-	50	nA	

Note 1. : AM modulation 100%, square wave 1000 Hz frequency, BER 10^{-3}

Note 3. : all RF parameters measured with the input connected to a 50 Ω impedance signal source or load.

Auto-learning procedure for the 32000912 remote control unit:

To learn a remote control supply the receiver 32000915, in the first ten second after the start up the receiver is waiting for the remote control learning frame.

In this period press simultaneously the two button of the remote control and released them. After this step when one of the two buttons is pressed the corresponding channel on the receiver activated (CH1,CH2) until the button is released.

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Mipot S.p.A. reserves the right to modify the specifications without notice.

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