



869.2125 MHz SUPERHETERODYNE FSK RECEIVER with DECODER ON BOARD

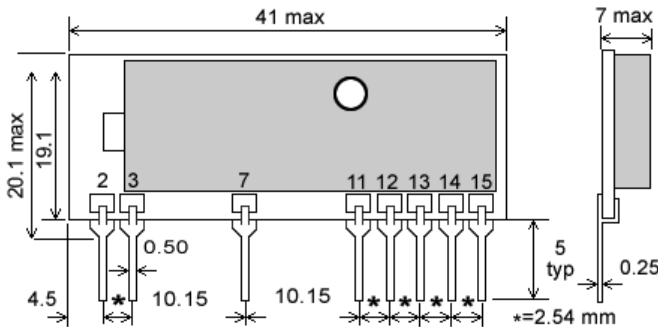
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Description: Super Heterodyne FSK Receiver, manufactured in SMT technology on glass-epoxy laminate. A uP on board provides the decoding of Biotel frame.

Highlights: High sensitivity and stability.

Applications: Security Systems, Data Transmission, Industrial Controls.

Mechanical Characteristics:



PIN FUNCTIONS

- 2 = GND
- 3 = RF IN (50Ω)
- 7 = GND
- 11 = GND
- 12 = + Vdc (Power Down)
- 13 = RSSI
- 14 = DATA 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 ÷ + 100 °C
Operational Temperature	: - 20 ÷ + 70 °C

Electrical Characteristics at the Temperature 25°C.

Parameter	Min.	Typ.	Max	Units	Note
Power Supply (Vdc)	4.5	5	5.5	Volt	
Supply Current	-	-	13	mA	
Receive Frequency	-	869.2125	-	MHz	
Sensitivity	-	-105	-	dBm	Note 1
Antenna Spurious RF Emission	-	-	-65	dBm	
Logic Low	GND	-	0.05	Volt	
Logic High	4	-	Vdc	Volt	
Power Down Supply Current	-	-	50	nA	

Note 1. : FSK modulation with +/-3 kHz deviation, square wave 1000 Hz frequency, BER 10⁻³
 Note 3. : all RF parameters measured with the input connected to a 50Ω impedance signal source or load.

Mipot S.p.A - Via Corona, 5 - Z.I. 34071 CORMONS (GO) ITALY	Tel (+39) 0481 - 630200 Fax (+39) 0481 - 62387 e-mail: mipot@mipot.com www.mipot.com
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Mipot S.p.A. reserves the right to modify the specifications without notice.

Cormòns, January '07