

433.92 MHz SUPER HETERODYNE AM/ASK RECEIVER

Cod. 32000552

DESCRIPTION:

Super Heterodyne ASK Receiver, manufactured in SMT technology on printed circuit.

HIGHLIGHTS:

High sensitivity and stability, RSSI output proportional to the received signal level.

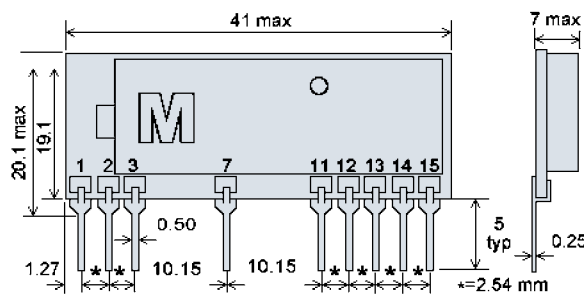
Developed according to I-ETS 300 220.

APPLICATIONS:

Security Systems, Data Transmission, Industrial Controls.



MECHANICAL CHARACTERISTICS



Pin functions

- 1 = + Vdc
- 2 = GND
- 3 = RF Input (50Ω)
- 7 = GND
- 11 = GND
- 12 = + Vdc (Power Down)
- 13 = RSSI Output
- 14 = TTL Output - 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 OF + 25°C.

Parameter	Min.	Typ.	Max	Unit	Notes
Power Supply (Vdc)	4.5	5	5.5	Volt	
Supply Current	-	-	5.5	mA	
Receive Frequency	-	433.92	-	MHz	
Overall Frequency Accuracy	-	±30	-	kHz	
Sensitivity	-	-106	-	dBm	Note 1
RF Bandwidth at -3 dB	-	300	-	kHz	
Antenna Spurious RF Emission	-	-	-65	dBm	
Logic Low	GND	-	0.05	Volt	
Logic High	4	-	Vdc	Volt	
Start-up time	-	-	150	ms	Note 2
Baud Rate	-	-	4800	Baud	Note 3
Power Down Supply Current	-	-	50	nA	
AF Output Impedance	50	-	-	KΩ	

Note 1.: AM modulation 100%, square wave 1 kHz frequency

Note 2.: It's possible to obtain start-up time till 15 msec

Note 3.: there are available versions up to 19.200 baud

Note 4.: all RF parameters measured with the input connected to a 50W impeded signal source or load.

Note 5.: pins 12 and 15 have to be 0 Volt to enter the power down mode, keeping power supply on pin 1.

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

MIPOT S.P.A.

Via Corona, n.5
(Zona Ind.)

34701 Cormons (GO)
Italy

Tel. +39 0481 630200 ra.

Fax +39 0481 62387

mipot@mipot.com