

433.92 MHz SUPER HETERODYNE ASK RECEIVER

Cod. 32000654

DESCRIPTION:

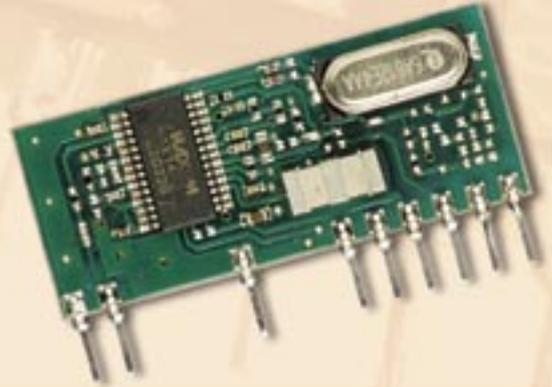
Super Heterodyne, low cost and high performance ASK Receiver, manufactured in SMT technology on printed circuit.

HIGHLIGHTS:

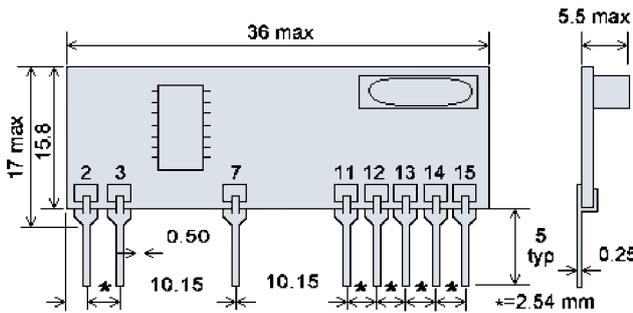
Suppression of image frequency without using front-end SAW filter. Developed according to I-ETS 300 220.

APPLICATIONS:

Security Systems, Data Transmissions, Industrial Controls.



MECHANICAL CHARACTERISTICS



Pin functions

- 2 = GND
- 3 = RF Input(50Ω)
- 7 = GND
- 11 = GND
- 12 = + Vdc
- 13 = RSSI Output
- 14 = TTL Output - Data OUT
- 15 = + Vdc

ABS. MAX. RATINGS:

Power Supply, Vdc, pin 12, 15:	+ 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	-	-	7	mA	
Receive Frequency	-	433.92	-	MHz	
Sensitivity	-	-110	-	dBm	Note 1
RF Bandwidth at -3 dB	-	200	-	kHz	
Antenna Spurious RF Emission	-	-	-65	dBm	
Logic Low	GND	-	0.05	Volt	
Logic High	4	-	Vdc	Volt	
Baud Rate	-	-	2400	Baud	
Start-Up Time	-	-	80	msec	
Output Impedance , pin 14, TTL	50	-	-	KΩ	

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

Note 2.: all measures relative to RF parameters are valid with pin 3 connected to 50 ohm impeded signal source or load.

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

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