MIPOT HI-TECH COMPANY

RF WIRELESS

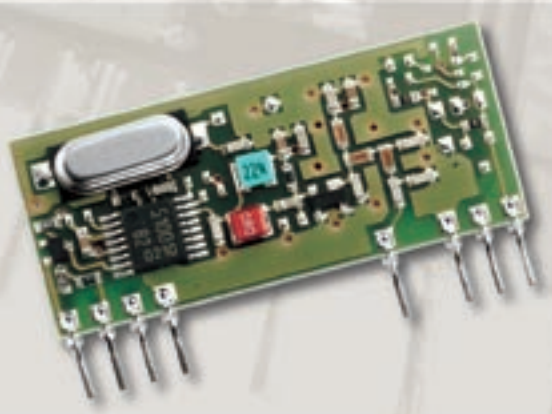
ASK TRANSMITTER
50 Ω Output

433.92 MHz – 3 V version / Cod. 3-2000554

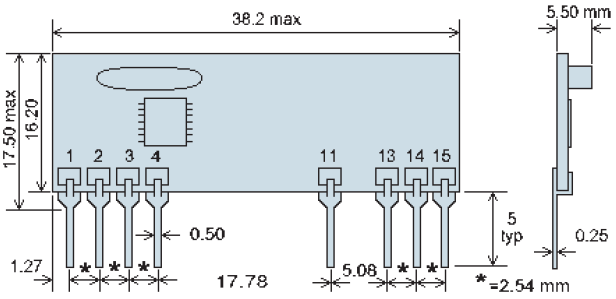
DESCRIPTION:
ASK Transmitter, with crystal locked oscillator, manufactured in SMT technology on printed circuit. Booster stage to improve output power.

HIGHLIGHTS:
High output power with low supply voltage.
Developed according to I-ETS 300 220 and ETS 300 683 European Standard.

APPLICATIONS:
Domestic Security, Surveillance Systems, Data Transmission, perfect for battery supply systems.



MECHANICAL CHARACTERISTICS



Pin functions

1 = GND
2 = Tx DATA
3 = NOT CONNECTED
4 = GND
11 = RF OUTPUT (50Ω)
13 = GND
14 = NON CONNECTED
15 = +Vcc

ABS. MAX. RATINGS

Power Supply, +Vcc, pin 15:	+ 4 Volt
Storage Temperature:	- 40 ÷ + 100 °C
Operating Temperature:	- 20 ÷ + 70 °C

ELECTRICAL CHARACTERISTICS AT 25 °C :

Parameter	*Min.*	*Tip.*	*Max*	*Unit*	*Notes*
Power Supply (+Vcc)	2.4	3	3.6	Volt	
Supply Current	-	15	-	mA	Note 1
Carrier Frequency	433.42	433.92	434.42	MHz	
Output Power (50Ω load)	+10	+12	-	dBm	Note 1
Second Harmonic Level (load 50Ω)	-	-	-36	dBm	
Start-up Time	-	-	1.5	ms	Note 1
Logic Low	-	0	-	Volt	
Logic High	-	3	-	Volt	
Baud Rate	-	-	38400	Baud	

Note 1: +Vcc = 3V, 1 kHz square wave modulation 0-3 V, duty-cycle 50%
Note 2: power supply versions from 5V to 12V are available on request

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