MIPOT HI-TECH COMPANY

RF WIRELESS

ASK TRANSMITTER
433.92 MHz - 50 Ω OUTPUT

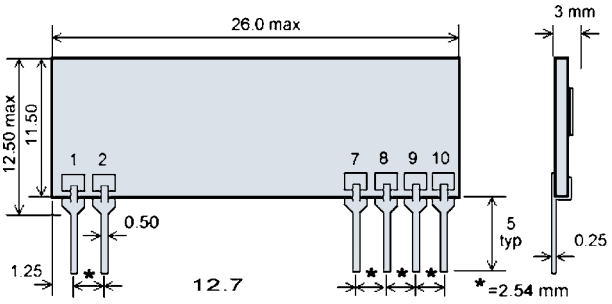
Cod. 3-2000618

DESCRIPTION:
ASK transmitter, carrier frequency obtained with a SAW resonator, manufactured in SMT technology on printed circuit. A "buffer" state divides output from oscillator ensuring more stability and less harmonics emissions.

HIGHLIGHTS:
Standby less than 0.1 µA. Compatible input with TTL and CMOS levels. Developed according to I-ETS 300 220 and ETS 300 683 European Standard.

APPLICATIONS:
Security Systems, Surveillance Systems, Data Transmission, etc…

MECHANICAL CHARACTERISTICS



Pin functions

1 = Tx DATA
2 = GND
7 = GND
8 = RF Ouput (50Ω)
9 = GND
10 = Vcc

ABS. MAX. RATINGS

Power Supply, +Vcc, pin 10:	+ 12 Volt
Voltage, with respect to GND, of pins 1, 8:	+ 12 Volt
Storage Temperature:	- 40 ÷ + 100 °C

ELECTRICAL CHARACTERISTICS AT 25 °C :

Parameter	*Min.*	*Tip.*	*Max*	*Unit*	*Notes*
Power Supply (+Vcc)	4	5	6	Volt	
Supply Current	-	5.5	-	mA	Note 1
Carrier Frequency	433.82	433.92	434.02	MHz	
Output Power (50Ω load)	-	+10	-	dBm	Note 1/2
Rising Time	-	-	8	µs	Note 1
Falling Time	-	-	8	µs	Note 1
Start-up time	-	-	40	µs	
Logic Low	-0.7	-	0.4	Volt	
Logic High	4	-	6	Volt	
Baud Rate	-	-	38400	Baud	

Note 1: +Vcc = 5V, 1 kHz square wave modulation 0-3 V, duty-cycle 50%, logic "1" = 5 V.
Note 2: la potenza emessa dipende dal livello del "1" logico.

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