MIPOT HI-TECH COMPANY

RF WIRELESS

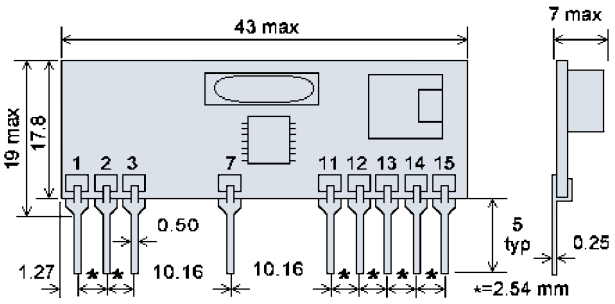
40.685 MHz SUPER HETERODYNE ASK RECEIVER

Cod. 3-2000616

DESCRIPTION:
ASK receiver with crystal locked oscillator, based on super heterodyne principle.

HIGHLIGHTS:
Pin-to-Pin compatible with 433.92 MHz receivers.

MECHANICAL CHARACTERISTICS



Pin functions

1 = Vcc
2 = GND
3 = RF Input (50Ω)
7 = GND
11 = GND
12 = Vcc
13 = T. P. (Audio Output)
14 = TTL Output
15 = Vcc

ABS. MAX. RATINGS:

Power Supply, Vcc:	+ 6.0 Volt
Radio Frequency Input, pin 3:	0 dBm
Voltage, with respect to GND, of output pins:	Vcc
Operational Temperature:	- 20 ÷ + 70 °C
Storage Temperature:	- 40 ÷ + 100 °C

ELECTRICAL CHARACTERISTICS AT THE TEMPERATURE OF + 25°C.

Parameter	*Min.*	*Typ.*	*Max*	*Unit*	*Notes*
Power Supply - Vcc	4.5	5	5.5	Volt	
Supply Current	-	10	-	mA	
Receive Frequency	-	40.685	-	MHz	Note 1
Sensibility	-110	-115	-	dBm	
Banda passante RF -3dB	-	±5	-	KHz	
Antenna Spurious RF Emission	-	-	-62	dB	
Baud rate	-	-	2400	Baud	
Logic Low	-	0.02	0.05	Volt	
Logic High	3.7	3.8	-	Volt	
Output Impedance	-	10	-	Kohm	

Note 1: in production stage, it's possible to obtain frequencies between 26 and 41 MHz.
Note 2: all RF parameters measured with the input connected to a 50 ohm imped. signal source or load.

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

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