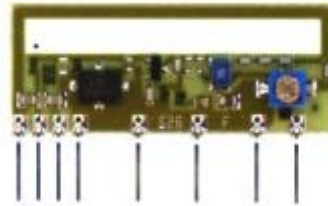


ATX-433-IA AM SAW Transmitter with Integral Antenna

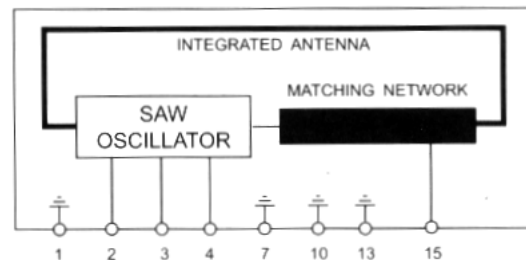
The TX-433-IA transmitter module features a Surface Acoustic Wave (SAW) oscillator and an integral tuned loop antenna. The integrated antenna makes this module ideal for applications where external antenna are not suitable due to size constraints or for aesthetic reasons and also further simplifies design integration. Manufactured on a thick film ceramic substrate yields excellent UHF stability and low spurious emission. The ATX-433-IA is suitable for use with the ABACOM's AM receiver modules such as the:

- AM-RRQ3-433 PLL receiver
- AM-HRR3-433 superregen
- ARX-433-ULC low current superhet
- AM-HRR6-433 low current superregen
- ATR5A-433 superhet with RSSI output



Technical Specifications

- Highly miniaturized thick film hybrid module
- 433.92 MHz operation
- SAW resonator stability
- Wide supply range: +4V to +12V
- E.R.P. $\approx 1\text{mW}$ (0dBm) @ 5V
- E.R.P. $\approx 2\text{mW}$ (+3dBm) @ 12V
- Spurious emission @ 5V: -40dBc
- Input modulation: +5V logic
- Modulation frequency: 4KHz max.
- Draws 6mA @ 5V with square wave modulation
- Draws 12mA @ 12V with square wave modulation
- Dimensions: 41.4 x 16.3 x 3.8mm.



Pin-Out

Pin	Designation
1,4,7,10,13	Ground
2	Modulation Input for $V_c \geq 8V$
3	Modulation input for $V_c \leq 8V$
15	V_c form +4V to +12V