

Description

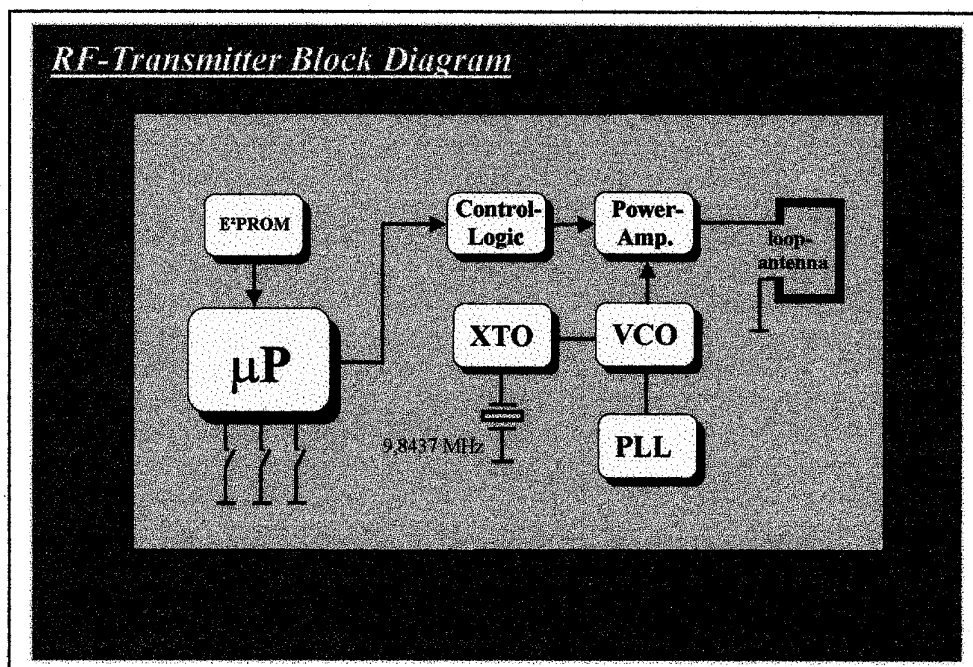
Transmitter 315 MHz

8Z0 837 231 A

8Z0 837 231 B

8Z0 837 231 C

- Transmitter for keyless entry systems
- Transmitter frequency 315 MHz
- ASK modulation
- Data rate 1.8 kBaud



This Rf transmitter has been designed for an operating voltage of 3 V, which means that only a 3 V lithium battery is required. The key identification number and the counter value are stored in a non-volatile memory (EPROM). The μ C monitors the keys and generates the data word when the keys are pressed. To meet the high security requirements, the data word is also encoded using a 64 bit code algorithm. The data are sent to the final transmitter stage in serial form as a Manchester code, and this then sends the data signal through the loop aerial in ASK modulation. The transmission frequency of 315 MHz is generated by a crystal-stable PLL oscillator. The crystal frequency is 9,8437 MHz.

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The following key functions are possible:

- Open door
- Lock door
- Panic function (Only 8Z0 837 231 B)
- Open boot
- Convenience open (if the Open key is pressed for longer than 1 second)
- Convenience lock (if the Lock key is pressed for longer than 1 second)

A key combination is possible after the programming for test purposes (Press Open door / Lock door simultaneously for one second.). This supplies a permanent carrier so that, for example, the level or the harmonic waves can be measured. This function can be disabled by means of another key combination (condition on delivery).