

Description

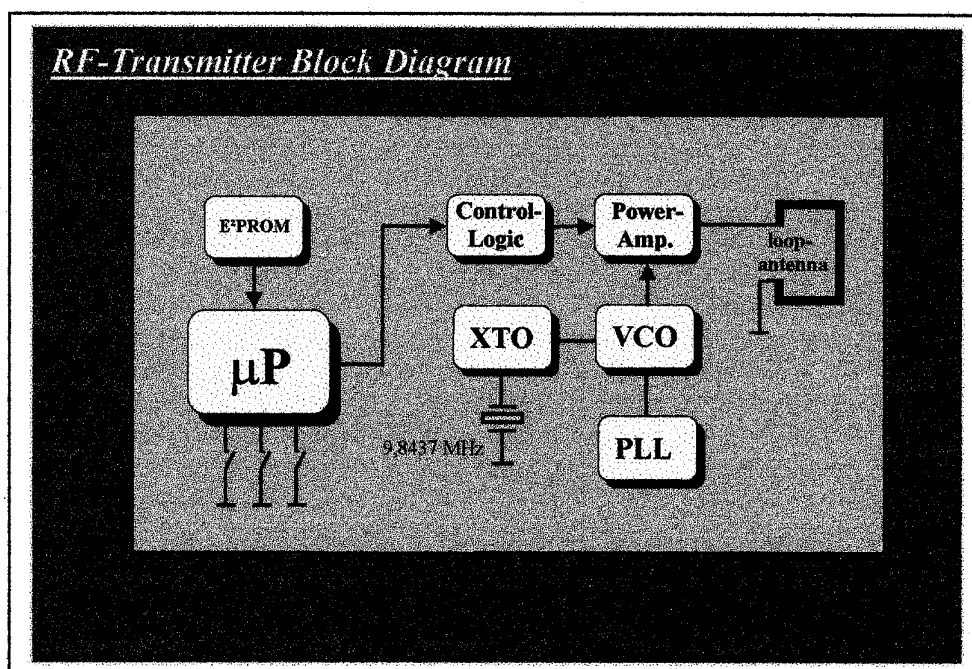
Transmitter 315 MHz

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 μC 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).