

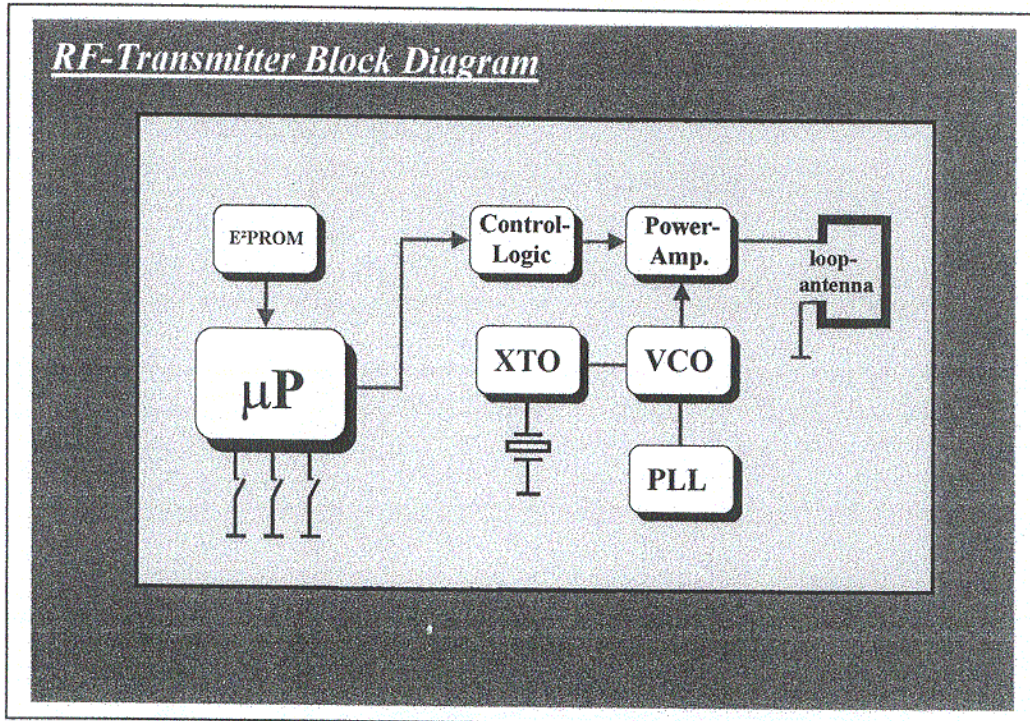
Description

Transmitter 315 MHz

Customer GM p/n: 15008008, 15008009, 15051014

TEMIC p/n: 3X6898, 3X8728, 3X8731

- Transmitter for keyless entry systems (for automobiles)
- Transmitter frequency 315 MHz
- OOK amplitude modulation
- Data rate 1.8 kBaud in Manchester Code



This RF transmitter works with a battery voltage of 3 V. A single lithium battery of type CR2032 will be used. The μ C monitors the transmitter keypad buttons and generates the corresponding data telegram when a button is pressed. To meet high security requirements, the data telegram is encoded using a 64 bit crypto algorithm. The transmitter identification data are stored in a non-volatile memory (EEPROM). The data telegram is sent to the final transmitter stage in a serial pulse form, Manchester coded. The pulse train switches the RF power amplifier on and off which leads to an rf emission independent of data content of a switched carrier with a duty cycle of 0.5 during the pulse trains without considering the breaks between two subsequently pulse trains of one actuation. The transmitters antenna is realized in form of a magnetic loop. The transmission frequency of 315 MHz is generated by a quartz stabilized PLL oscillator. The following key functions are possible:

- Open door
- Lock door
- Panic (alarm)

After a keyfob button has been pressed, one telegram, containing two subsequent data pulse trains is emitted. The complete duration of the emission is less than 5 sec. During pulse trains, half the time there is zero emission, in the other half, there is full field strength.

During breaks, between pulse trains, is zero emission too.

TEMIC TELEFUNKEN
MICROELECTRONIC GMBH
FCC ID : MYT3X6898A
JOB # : 259U0
EXHIBIT # : /