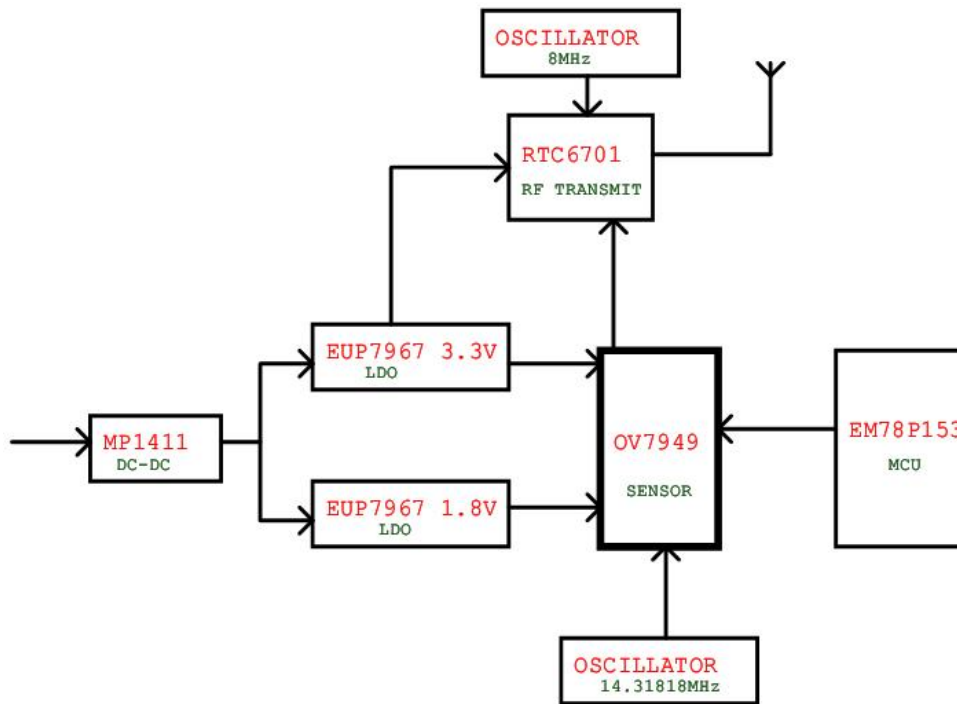


CF-8003 Module Specification

1.The CF-8003 Module Diagram



2.The CF-8003 Module Function Description

This is a back view system using in car. It consists of MCU processor, RF modulate circuit , , Antenna matching circuit ,Power magnified circuit,Power managing circuit and Cmos Camera IC. RF modulate circuit consisits of a RF modulated IC,Video inputing circuit , frequency compound and filter circuit. Antenna matching circuit consisits of transmit transform circuit, antenna.

When the car supplying power from backup light to the back view system's Power managing circuit.The Cmos Camera IC will have a NTSC TV standards video signal as a output to the RF modulate circuit ,and the RF modulate circuit will modulate the video signal's frequency to 2450MHZ ,through FM adjustment mode ,and then it will send out to Power magnified circuit for Power magnifying ,finally it will transmit from the Antenna matching circuit.

The power of the system was supplied by +12V from backup light , it will be sent out to each circuit after filter by capacitance

4.The CF-8003 module electric parameter

1)Features

Center Frequency	
CHNL	Frequency (MHz)
1	2450

2) Performance

Transmitter Power

Mode	Tx Power
2.45GHz	0dBm

c. Power Consumption

	Pout = 10dBm
Transmit Mode	100 mA

3) Antenna Specification

Antenna Type	MMCX
Frequency	2500MHz
Peak Gain(Max)	2dBi
VSWR	<2.0
Impedance	50Ohms
Number of Antenna	1