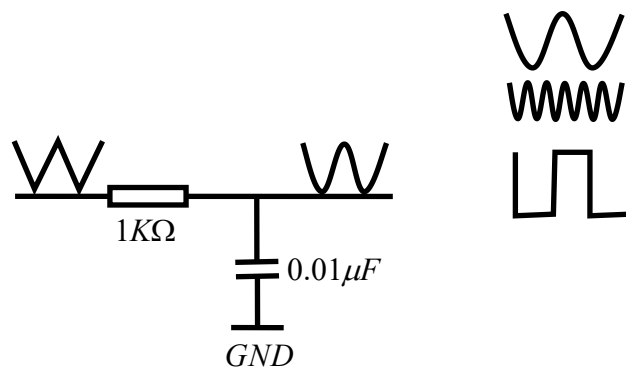
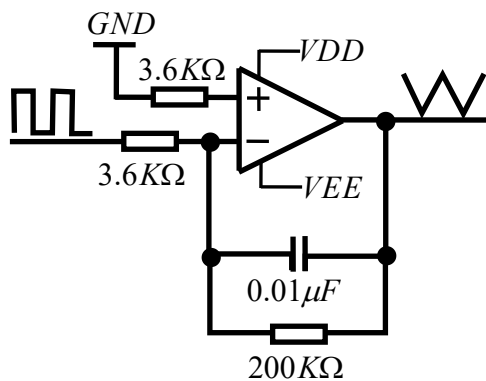
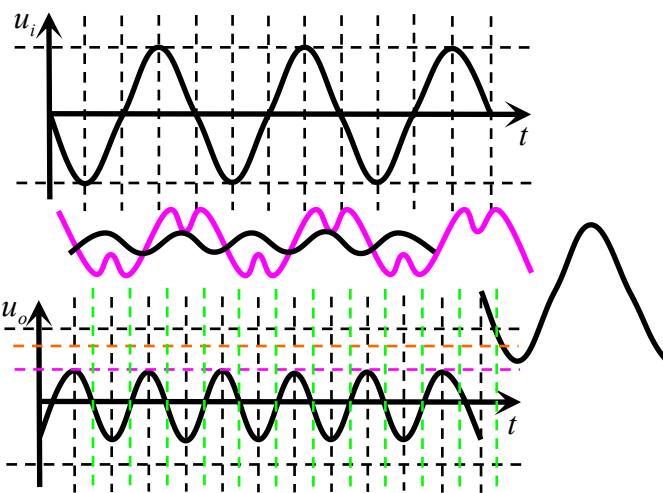
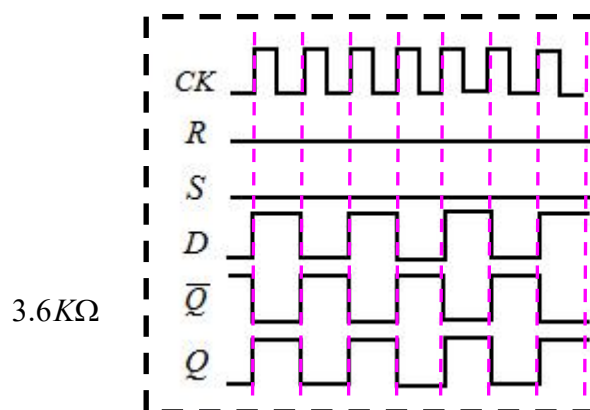
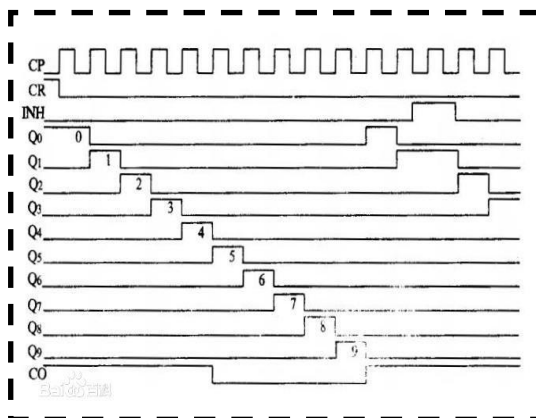
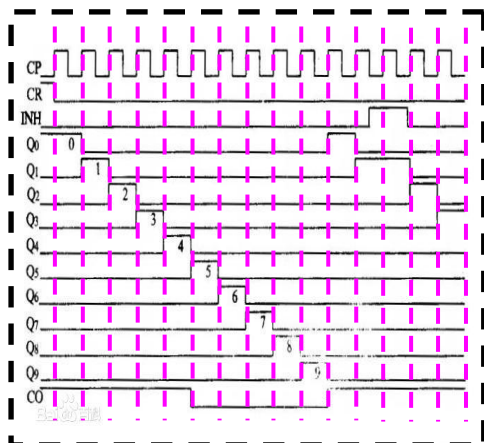


RD(复位端)	SD(置位端)	Q(输出端)
0	0	D
0	1	0
1	0	1
1	1	x



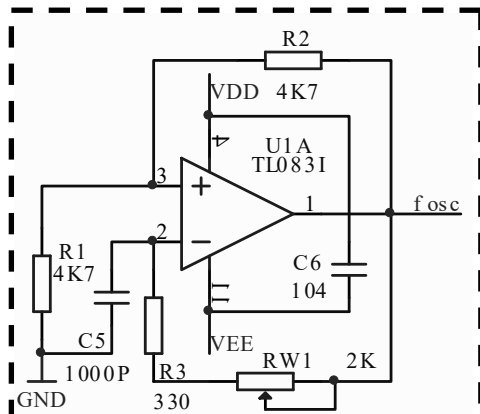
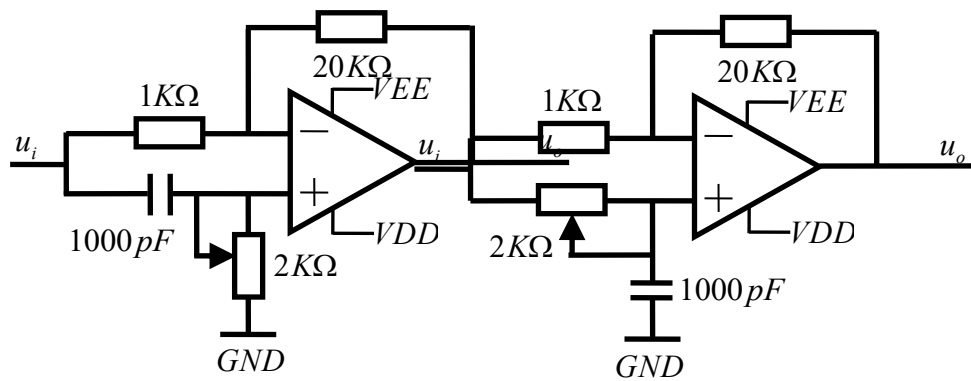
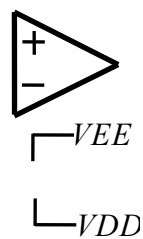
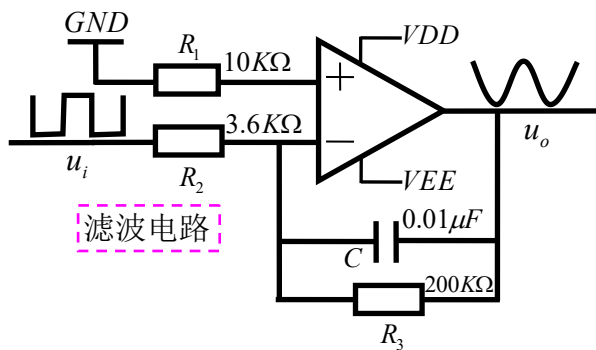
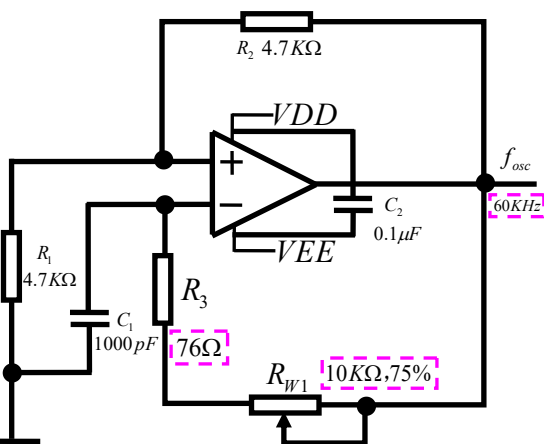
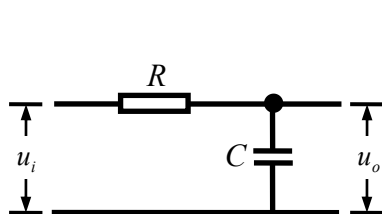
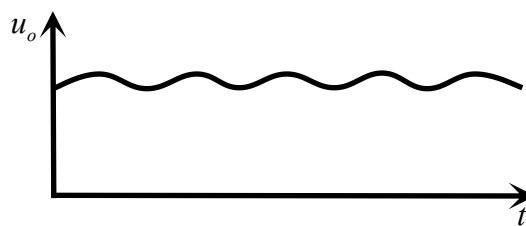
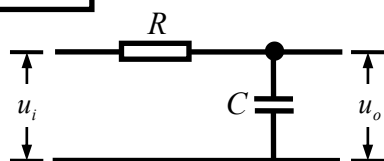
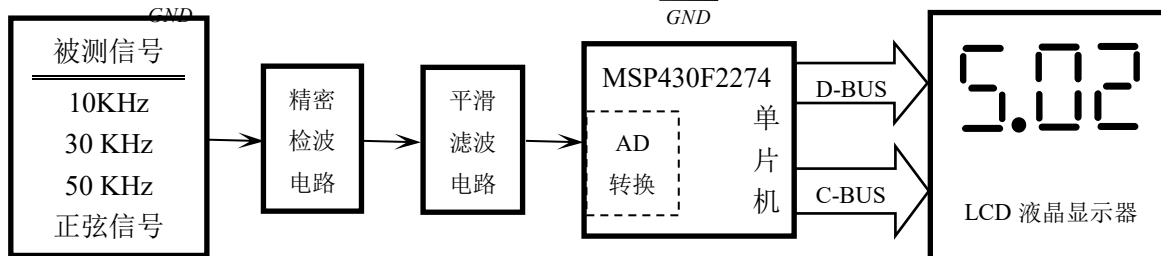
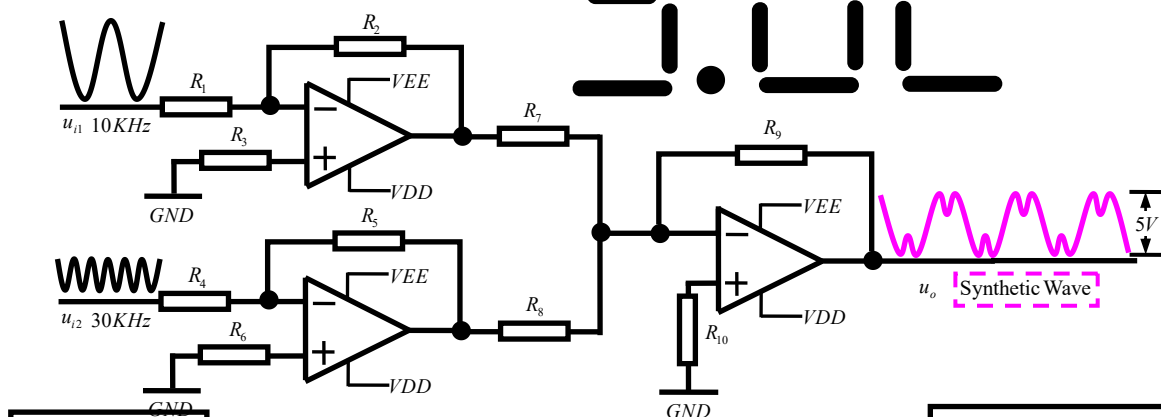
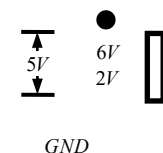
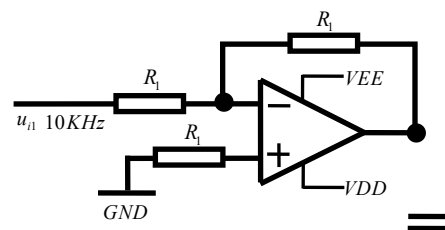
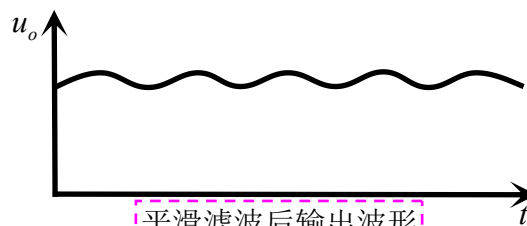


图2 模拟电路 300KHz 方波电路

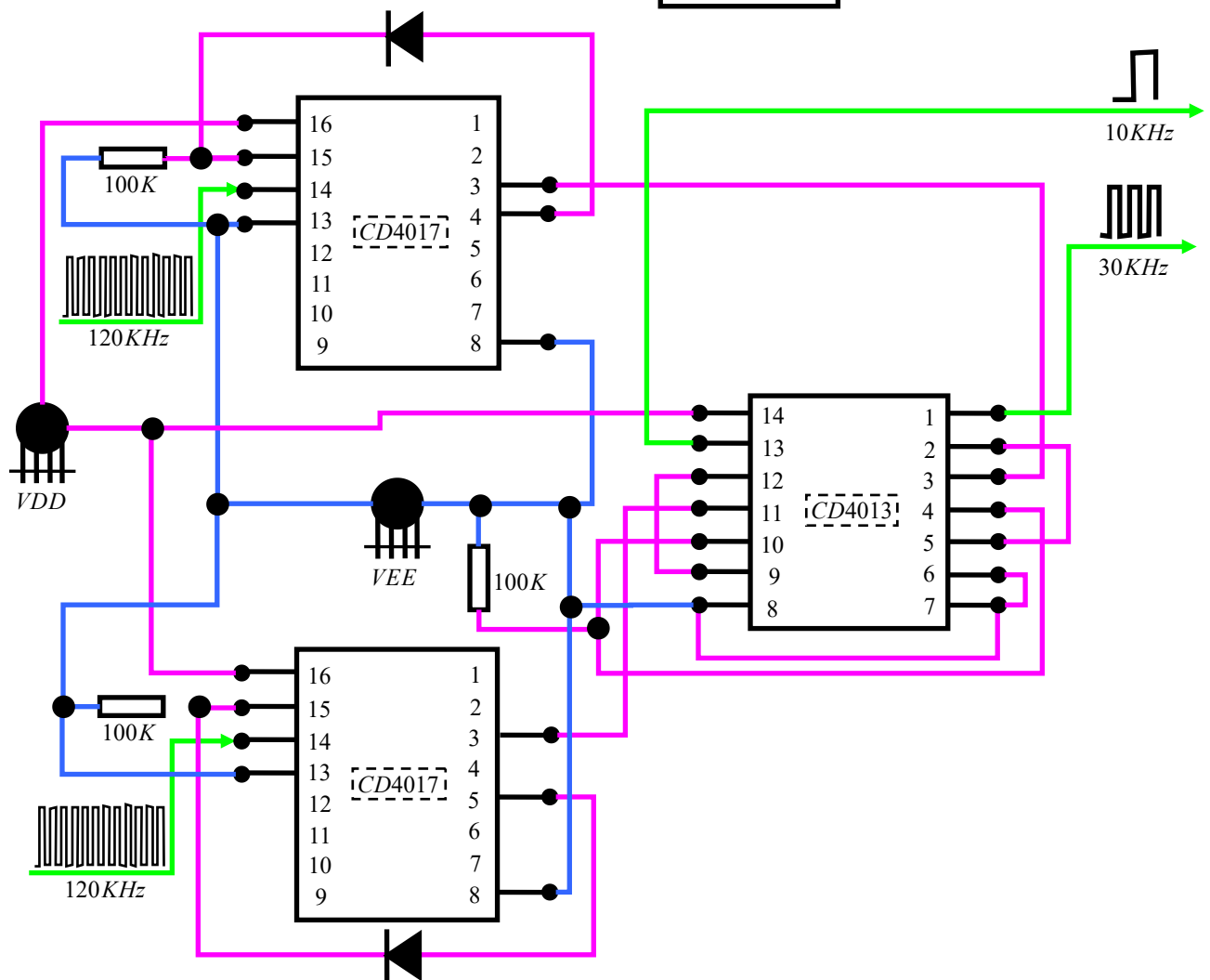
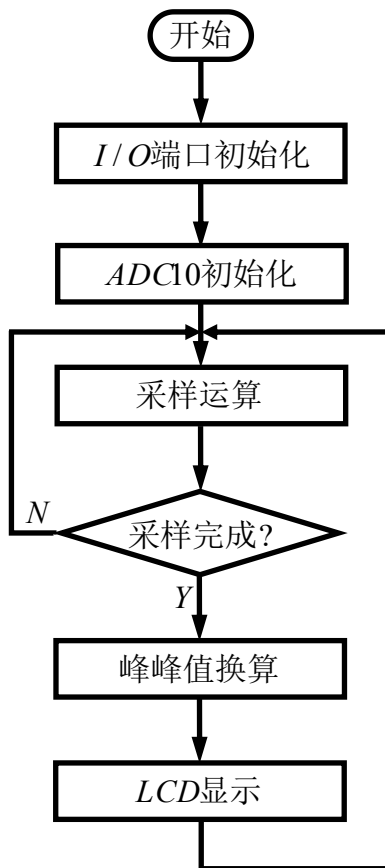
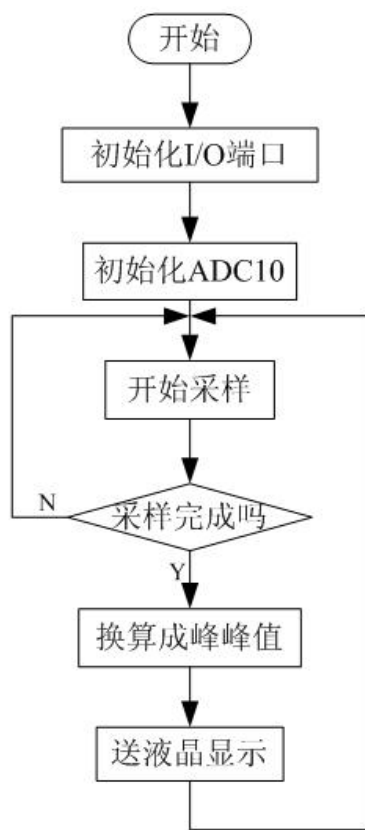


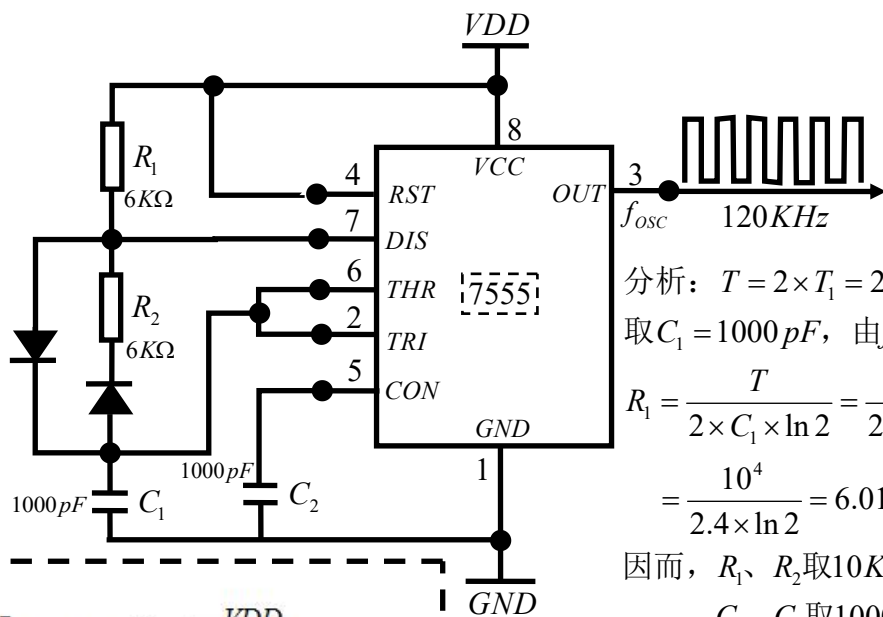


RC平滑滤波电路



平滑滤波后输出波形





分析: $T = 2 \times T_1 = 2 \times R_1 \times C_1 \times \ln 2$
取 $C_1 = 1000 \text{ pF}$, 由 $f_{osc} = 120 \text{ KHz}$ 得,

$$R_1 = \frac{T}{2 \times C_1 \times \ln 2} = \frac{1}{2 \times f_{osc} \times C_1 \times \ln 2}$$

$$= \frac{10^4}{2.4 \times \ln 2} = 6.011 \text{ K}\Omega$$

因而, R_1 、 R_2 取 $10 \text{ K}\Omega$ 的滑阻,
 C_1 、 C_2 取 1000 pF 的电容。

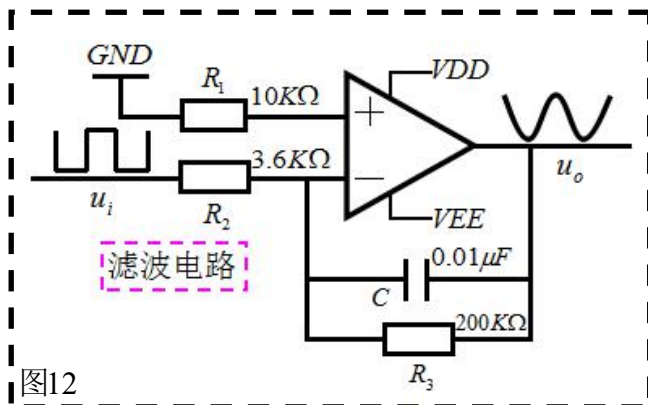


图12

