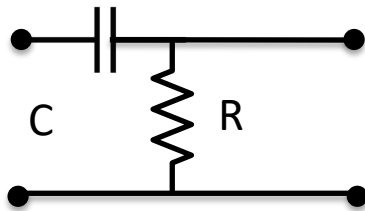
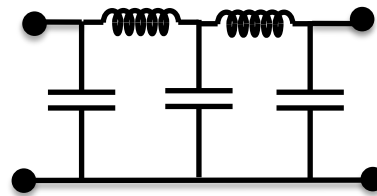


Power supply

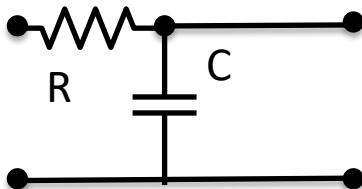


RC-high pass filter

$$H = (1 - \frac{j}{\omega RC})^{-1}$$

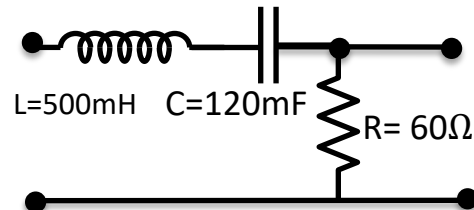


Line filter



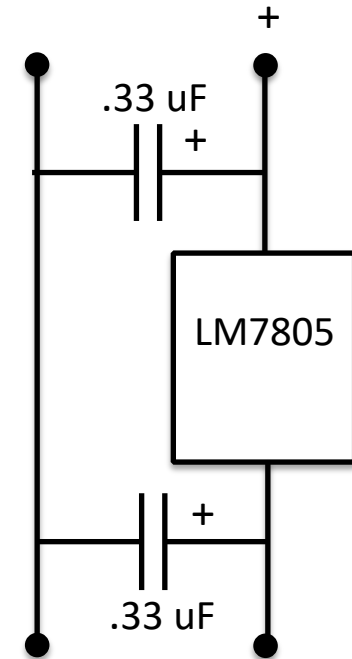
RC low pass filter

$$H = R(1 + j/(wRC))^{-1}$$

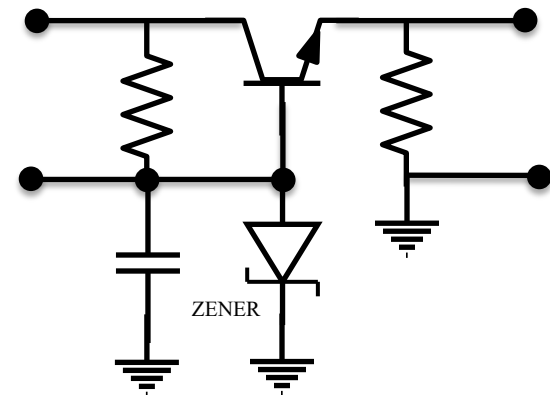


RC Band-pass filter

$$H = R(R + j(wL - 1/(wC)))^{-1}$$



Voltage regulator



Voltage regulator