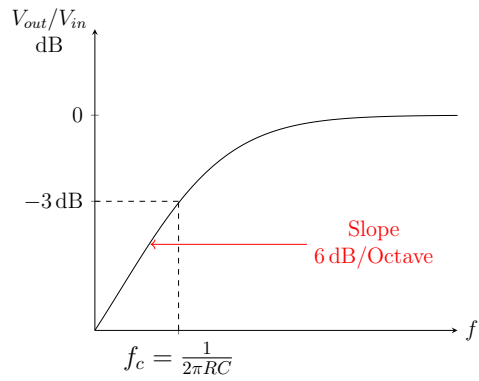
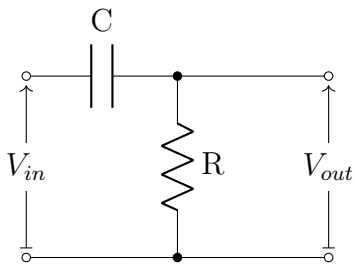
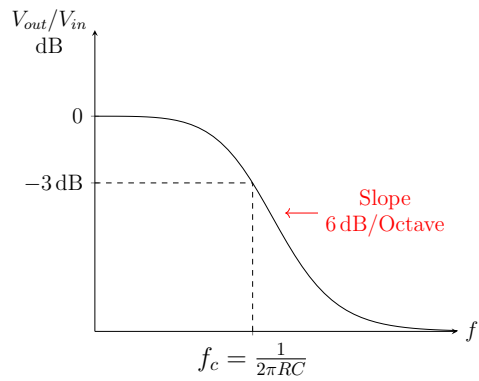
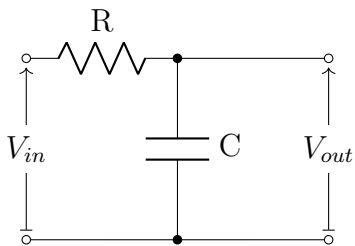


Filters

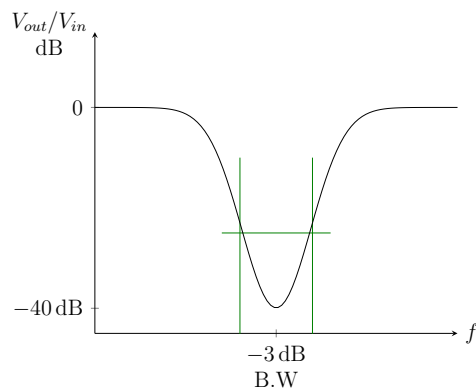
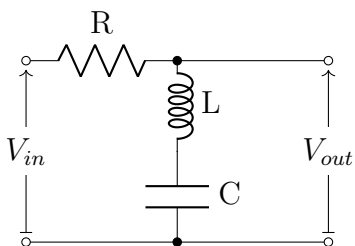
High pass RC filter (Differentiator)



Low pass RC filter (Integrator)

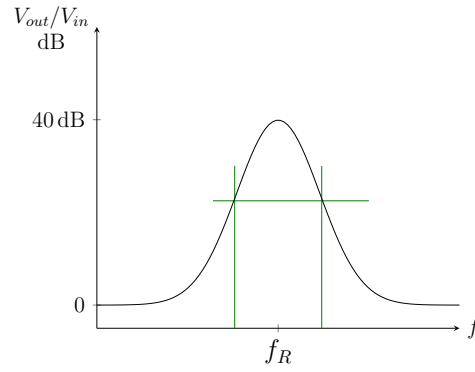
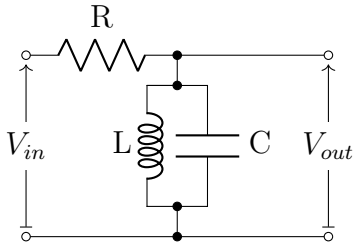


Band stop



$$f_R = \frac{1}{2\pi\sqrt{LC}}$$

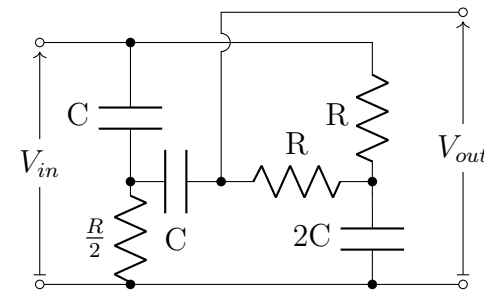
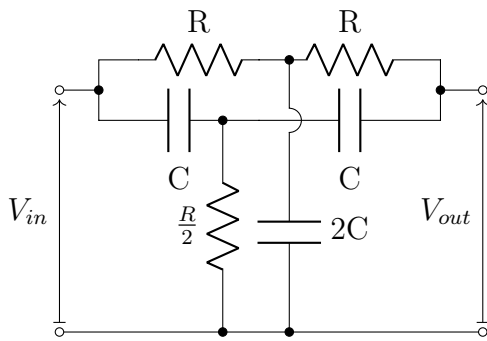
Band Pass



$$f_R = \frac{1}{2\pi\sqrt{LC}}$$

$$Q = \frac{f_R}{\text{BW}}$$

Twin T notch filter



Approx. 67.5° phase shift in each
"side" of bridge & 45° in "summing"
RC pair

