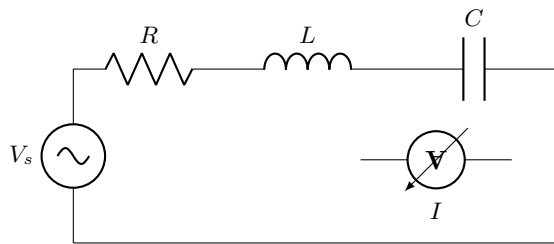


Series LCR circuit



At resonance, $f_0 = \frac{1}{2\pi\sqrt{LC}}$ and current is maximum.