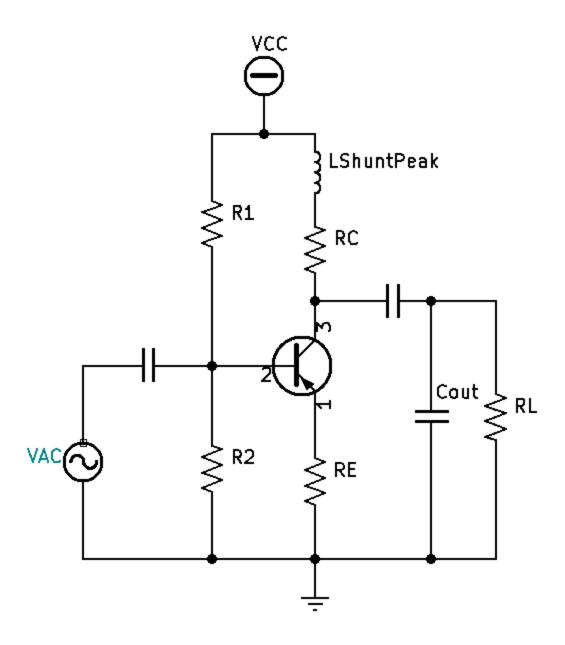
Shunt Peaking:



- Calculate and or Measure your existing *fch*.
- Determine your actual *Cout* based off measured *fch* .
- Design Shunt Peaking of optimal flatness using an Improvement Factor of k=1.414
 - Calculate newfch:
 - $newfch = oldfch \times k$
 - $newfch = oldfch \times 1.414$ (optimal flatness)
 - o Calculate L:
 - Make fr = .707(oldfch)
 - $fr = \frac{1}{2\pi\sqrt{LC}}$
 - $.707(oldfch) = \frac{1}{2\pi\sqrt{LC_{out}}}$

 - $LC_{out} = \left(\frac{1}{2\pi (.707oldfch)}\right)^2$
 - $L = \frac{\left(\frac{1}{2\pi(.7070ldfch)}\right)^2}{C_{out}}$
 - $L = C_{out}^{-1} (\frac{1}{2\pi (.707 old fch)})^2$