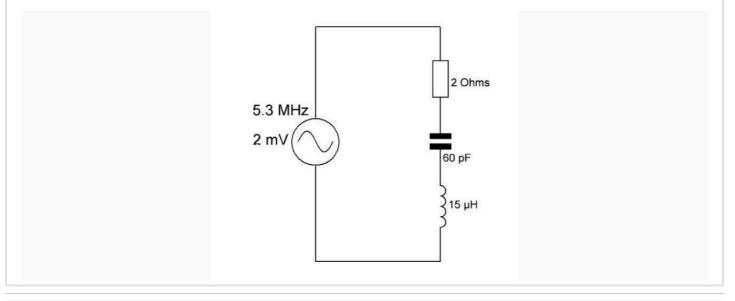
In this circuit the resonant frequency is 5.3MHz and there is an RF supply of just 2mV across the series circuit. Q MAGNIFICATION hinges on the fact that when a series tuned circuit is at resonance, the reactances  $X_L$  and  $X_C$  are equal and opposite, so they cancel each other.



2h.4 • Q factor • • SIT3M950

what is Q-factor?

	ircuit • 000 • TuDkF5TC
oltages ar	nd circulating currents in tuned circuits can be very high
<b>1.4 • T</b> uned c	ircuit • 000 • bSZoHasf
pply the fo	ormula for Q factor given circuit component values

