$V_o = 10$ Volt $\qquad R = 10\ \Omega$

$L = 5 \times 10^{-2}$ H $\qquad C = 3 \times 10^{-7}$ F

$\omega_o = \frac{1}{\sqrt{LC}} \approx 8.2 \times 10^3$ rad/s

$f_o \approx 1.3$ kHz $\qquad Z = \sqrt{R^2 + X^2}$

ω	ωL	-	$\frac{1}{\omega c}$	=	X	Z	I_{max}
rad/s	Ω		Ω		Ω	Ω	A
$0.9\omega_o$	367	-	453		-86	87	0.11
ω_o	408	-	408		0	10	1
$1.1\omega_o$	449	-	370		+78	79	0.12