$$V_o = 10 \text{ Volt} \qquad R = 10 \ \Omega$$

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

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

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

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