

$$V_0 = 10 \text{ Volt}$$

$$R = 10 \Omega$$

$$L = 5 \times 10^{-2} \text{ H}$$

$$C = 3 \times 10^{-7} \text{ F}$$

$$\omega_0 = \frac{1}{\sqrt{LC}} \approx 8,2 \times 10^3 \text{ rad/s}$$

$$f_0 \approx 1,3 \text{ kHz}$$

$$Z = \sqrt{R^2 + X^2}$$

$\omega$	$\omega L$	-	$\frac{1}{\omega C}$	=	$X$	$Z$	$I_{maks}$
rad/s	$\Omega$		$\Omega$		$\Omega$	$\Omega$	A
$0,9\omega_0$	367	-	453		-86	87	0,11
$\omega_0$	408	-	408		0	10	1
$1,1\omega_0$	449	-	370		+78	79	0,12