

Grupo (2)

6/11/19

	$V_g$ [V]	$V_R$ [V]	$V_L$ [V]	$V_C$ [V]	$R_L$ [Ω]	$I_{ef}$ [A]	$Z$ [Ω]	$X_C$ [Ω]	$C$ [μF]	$Z_L$ [Ω]	$X_L$ [Ω]	$L$ [H]	$\phi$
1400 $f_0$	1,345	1,329	0,391	0,385	11,5	0,0013	997, <del>87006</del>	293, 0549	0,4937 $\times 10^{-6}$	290, 0873	289, 8592	0,0419	-0° 11' 18"
$f_0 + 300 \text{ Hz}$ $> f_0$	1,346	1,316	0,494	0,309	11,5	0,0013	1008, <del>4782</del>	231, 5152	0,4910 $\times 10^{-6}$	370, 1246	369, 9459	0,0421	7° 54' 31"
1400 $f_0 - 300 \text{ Hz}$ $< f_0$	1,347	1,308	0,279	0,532	11,5	0,0013	1015, <del>3991</del>	401, 0336	0,4961 $\times 10^{-6}$	210, 3165	210, 0019	0,0418	-10° 50' 29"

Valores medidos  
directamente

Valores Calculados.

Formulas a utilizar :

$$I_{ef} = \frac{V_{Rs}}{R_s} \Rightarrow 986 \text{ } \mu\text{A}$$

$$X_L = \sqrt{Z^2 - R_L^2}$$

$$Z = \frac{V_g}{I_{ef}}$$

$$L = \frac{X_L}{\omega}$$

$$X_C = \frac{V_C}{I_{ef}}$$

$$\phi = \arctg \left( \frac{X_L - X_C}{R_L + R_s} \right)$$

$$C = \frac{1}{\omega X_C}$$

$$Z_L = \frac{V_L}{I_{ef}}$$