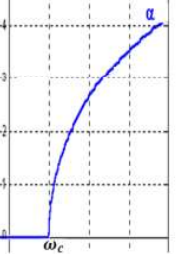
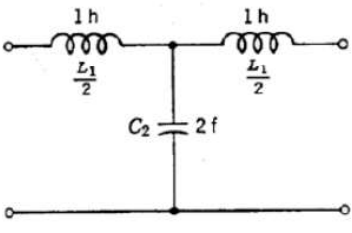
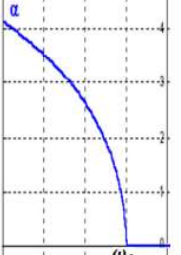
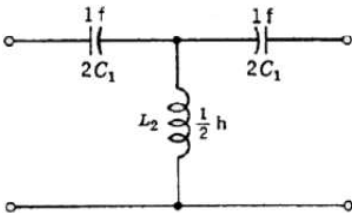
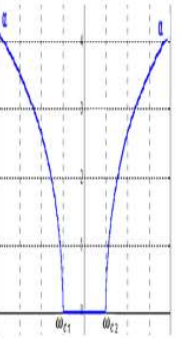
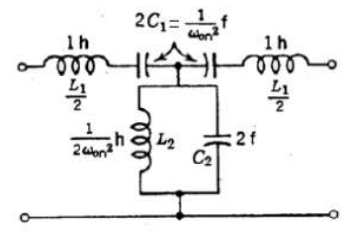
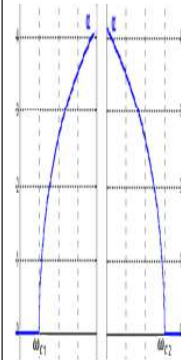
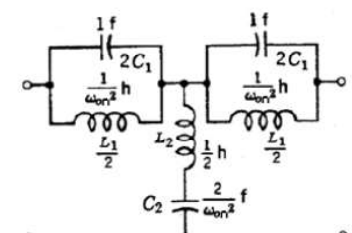


FILTROS K-CTE

	CURVA DE ATENUACIÓN	CIRCUITO APLICADO CON VALORES NORMALIZADOS	CÁLCULO DE LOS ELEMENTOS COMPONENTES DEL FILTROS
PASA BAJOS KCTE			$L_1 = \frac{2R_o}{\omega_c} \quad \therefore \quad \frac{L_1}{2} = \frac{R_o}{\omega_c}$
			$C_1 = \frac{2}{R_o \omega_c}$
			$\omega_c = \frac{2}{\sqrt{L_1 \times C_2}}$
			$ X_K _{pb} = \omega / \omega_c$
PASA ALTOS KCTE			$C_1 = \frac{1}{2R_o \omega_c} \quad \therefore \quad 2 C_1 = \frac{1}{R_o \omega_c}$
			$L_2 = \frac{R_o}{2 \omega_c}$
			$\omega_c = \frac{1}{2 \sqrt{L_2 \times C_1}}$
			$ X_K _{pa} = -\omega_c / \omega = -1 / X_K _{pb}$
PASA-BANDA KCTE			$L_1 = \frac{2R_o}{W} \quad \therefore \quad \frac{L_1}{2} = \frac{R_o}{W}$
			$C_1 = \frac{1}{2R_o \omega_o^2} \quad \therefore \quad 2 C_1 = \frac{1}{R_o \omega_o^2}$
			$L_2 = \frac{R_o W}{2 \omega_o^2}$
			$C_2 = \frac{W}{R_o \omega_o^2}$
			$\omega_o = \frac{1}{\sqrt{L_1 \times C_1}} = \frac{1}{\sqrt{L_2 \times C_2}}$
			$W = \frac{2R_o}{L_1} = \frac{2}{\sqrt{L_1 \times C_2}}$
ELIMINA-BANDA KCTE			$L_1 = \frac{2R_o W}{\omega_o^2} \quad \therefore \quad \frac{L_1}{2} = \frac{R_o W}{\omega_o^2}$
			$C_1 = \frac{1}{2R_o W} \quad \therefore \quad 2 C_1 = \frac{1}{R_o W}$
			$L_2 = \frac{R_o}{2 W}$
			$C_2 = \frac{2 W}{R_o \omega_o^2}$
			$\omega_o = \frac{1}{\sqrt{L_1 \times C_1}} = \frac{1}{\sqrt{L_2 \times C_2}}$
			$W = \frac{1}{2R_o C_1} = \frac{1}{2 \sqrt{L_2 \times C_1}}$
			$ X_K _{PB} = -W \times \frac{\omega}{\omega^2 - \omega_o^2} = -1 / X_K _{PB}$

R_o = Impedancia de carga; ω_c = Pulsación de corte (pb y pa); ω_1 = Pulsación de corte inferior;
 ω_2 = Pulsación de corte superior; W = Ancho de banda = $\omega_2 - \omega_1$ y ω_o = Pulsación de Resonancia.

$$AB = W = \omega_{c2} - \omega_{c1}$$

$$\omega_o = \sqrt{\omega_{c2} \cdot \omega_{c1}}$$