Under Construction: VA7FI is editing this section, please do not edit it until this notice is taken down.

Electronics

RLC Impedance

Impedance [Ω]	Low Frequency	Medium Frequency	High Frequency
Resistance, R	Doesn't depend on frequency		
Inductive Reactance \$X_L = 2\pi f L\$	Low	Medium	High
Capacitive Reactance \$X_C = \frac{1}{2\pi f C}\$	High	Medium	Low

RLC Addition

	Series	Parallel
Resistor, R [Ω]	\$R = R_1 + R_2\$	\$\frac{1}{R} = \frac{1}{R_1} + \frac{1}{R_2}\$
Inductor, L [H]	\$L = L_1 + L_2\$	\$\frac{1}{L} = \frac{1}{L_1} + \frac{1}{L_2}\$
Capacitor, C [F]	\$\frac{1}{C} =\frac{1}{C_1} + \frac{1}{C_2}\$	\$C = C_1 + C_2\$

Questions