

Sinusoidal Response of Circuit Elements

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Element	Z	$real(Z)$	$imaginary(Z)$
Resistor	R	R	$None$
Capacitor	$\frac{1}{j\omega c}$ or $-\frac{j}{\omega c}$	$None$	$-\frac{1}{\omega c}$
Inductor	$j\omega L$	$None$	ωL