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	Circuit element	Units	Voltage	Current	Power	
	Resistance	ohms (Ω)	v = Ri (Ohm's law)	$i = \frac{v}{R}$	$p = vi = i^2 R$	- - -
	Inductance	henries (H)	$v = L \frac{di}{dt}$	$i = \frac{1}{L} \int v dt + k_1$	$p = vi = Li \frac{di}{dt}$	
	Capacitance	farads (F)	$v = \frac{1}{C} \int i dt + k_2$	$i = C \frac{dv}{dt}$	$p = vi = Cv \frac{dv}{dt}$	21

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