Electrical Units Guide for Linear Circuits

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SI Base Units (NIST)	
Base Quantity	Units
Length	Meter (m)
Mass	Gram (g)
Time	Second (s)
Electric Current	Ampere (A)
Derived Units	
Capacitance	Farad ($F = \frac{C}{V}$)
Conductance	Siemens ($S = \frac{A}{V}$)
Frequency	Hertz ($Hz = \frac{1}{s}$)
Force	Newton ($N = kg \cdot \frac{m}{s^2}$)
Flux	Webers ($Wb = V \cdot s$)
Energy	Joule ($J = N \cdot m$)
Electric Charge	Coulomb ($A \cdot s$)
Electric Potential	Voltage ($V = \frac{J}{C}$)
Resistance	Ohm ($\Omega = \frac{V}{A}$)
Inductance	Henry ($H = \frac{Wb}{A}$)