International System of Units (MKS)

Distance	in meters	m	Fundamental Units
Mass	in kilograms	kg	
Time	in seconds	s	
Charge	in coulombs	q	

Derived units:

Accelleration : m/s^2

Force in Newtons = mass * accelleration = $kg\,(m/s^2)$

Energy in Newton-meters or Joules = force * distance = $kg\,m^2/s^2$

Power in Watts = Joules/second = $kg\,m^2/s^3$

Current in Amperes = coulombs/second = q/s

Voltage in Volts = Joules/coulomb = $kg\,m^2/q\,s^2$

Resistance in Ohms = Voltage/Current = $kg\,m^2/q^2 s$

Inductance in Henries = volt seconds/amp. = $kg\,m^2/q^2$

Capacitance in Farrads = coulomb/volt = $q^2 s^2/kg\,m^2$

Note: $\sqrt{\frac{\text{Inductance}}{\text{Capacitance}}} = \sqrt{\frac{\frac{kg\,m^2}{q^2}}{\frac{q^2 s^2}{kg\,m^2}}} = \frac{kg\,m^2}{q^2 s^2} = \text{resistance}$

Note: $\frac{1}{\sqrt{\text{Inductance} * \text{capacitance}}} = \frac{1}{\sqrt{\frac{kg\,m^2}{q^2}\,\frac{q^2 s^2}{kg\,m^2}}} = \frac{1}{s}$

reciprocal of time period is frequency