

Variables

E	Voltage in Volts
I	Current in Amperes (A)
R	Resistance in Ohms (Ω)
P	Power in Watts (W)

Formulas

$$300 = \text{Frequency (MHz)} \times \text{Wavelength (Meters)}$$

$$E = I \times R \text{ (Ohm's Law)}$$

$$P = E \times I$$

Prefixes

giga	G	1,000,000,000	GHz
mega	M	1,000,000	MHz
kilo	k	1,000	KHz
		1	Hz
milli	m	0.001	thousandth
micro	μ	0.000 001	millionth
nano	n	0.000 000 001	billionth
pico	p	0.000 000 000 001	

Sometimes these are written as exponents in scientific notation.

For values > 1 : $10^{\text{(number of places)}}$

- ex: Kilo: $10^3 = 1,000$

For Values < 1 : $10^{\text{(-number of places)[negative]}}$

- ex: milli: $10^{-3} = 0.001$



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