

Metric System

Prefixes expand or contract the basic units.

Prefixes are case sensitive.

Frequency

$$1 \text{ kiloHertz (kHz)} = 1,000 \text{ Hertz (Hz)}$$

$$1 \text{ MegaHertz (MHz)} = 1,000 \text{ kiloHertz (kHz)} = 1,000,000 \text{ Hertz (Hz)}$$

$$1.5 \text{ MegaHertz (MHz)} = 1,500 \text{ kiloHertz (kHz)} = 1,500,000 \text{ Hertz (Hz)}$$

$$3.525 \text{ MegaHertz (MHz)} = 3,525 \text{ kiloHertz (kHz)} = 3,525,000 \text{ Hertz (Hz)}$$

$$28.4 \text{ MegaHertz (MHz)} = 28,400 \text{ kiloHertz (kHz)} = 28,400,000 \text{ Hertz (Hz)}$$

$$1 \text{ GigaHertz (GHz)} = 1,000 \text{ MegaHertz (MHz)} = 1,000,000,000 \text{ Hertz (Hz)}$$

$$2.425 \text{ GigaHertz (GHz)} = 2,425 \text{ MegaHertz (MHz)}$$

Voltage

$$1 \text{ kiloVolt (kV)} = 1,000 \text{ Volts (V)}$$

$$1 \text{ microVolt (}\mu\text{V)} = 1 \text{ one-millionth of a Volt (V)}$$

Current

$$1 \text{ Ampere (A)} = 1,000 \text{ milliAmperes (mA)}$$

$$1.5 \text{ Amperes (A)} = 1,500 \text{ milliAmperes (mA)}$$

$$3 \text{ Amperes (A)} = 3,000 \text{ milliAmperes (mA)}$$

Power

$$1 \text{ Watt (W)} = 1,000 \text{ milliWatts (mW)}$$

$$0.5 \text{ Watt (W)} = 500 \text{ milliWatts (mW)}$$

Capacitance

$$1 \text{ microFarad } (\mu\text{F}) = 1,000,000 \text{ picoFarads (pF)}$$