

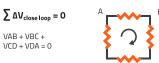


Kirchhoff's Laws



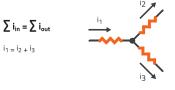
Closed Loop Rule

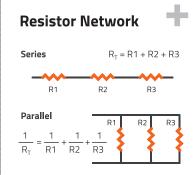
The directed sum of the electrical potential differences (voltage) around any closed circuit is

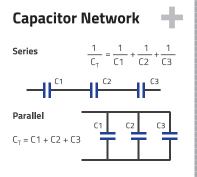


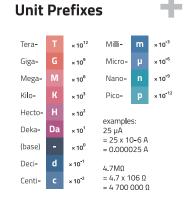
Junction Rule

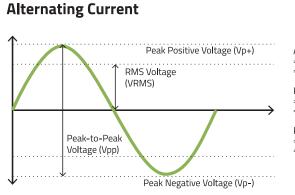
The sum of currents entering the junction are thus equal to the sum of currents leaving.











Average AC Voltage = 0.637 x Peak = 0.9 x RMS RMS AC Voltage = 0.707 x Peak = 1.11 x Average Peak AC Voltage = 1.57 x Average

Basic Electronics Theory

