



- Charge on electron (e) = $- 1.6 \times 10^{-19} \text{ C}$
- Mass of an electron = $9.11 \times 10^{-31} \text{ kg}$
- Diameter of an electron = 10^{-15} m
- Mass of proton = Mass of neutron = $1.67 \times 10^{-27} \text{ kg}$
- Charge on proton = $+ 1.6 \times 10^{-19} \text{ C}$
- Charge on neutron = Nil
- One coulomb = Charge on 6.25×10^{16} electrons
- 1 calorie = 4.186 joules
- 1 h.p = 746 watts (h.p = Horse Power)
- 1 Kwh = 36×10^5 Joules
- 1 Kwh = 860 kcal
- Absolute permittivity of vacuum or air (ϵ_0) = $8.854 \times 10^{-12} \text{ F/m}$
- 1 eV = $1.6 \times 10^{-19} \text{ J}$
- Absolute permeability of vacuum or air (μ_0) = $4\pi \times 10^{-11} \text{ H/m}$
- Form factor = 1.11
- Peak factor or crest factor = 1.414