

Figure 9.15 Dielectric function of water at room temperature calculated from the Debye relaxation model with $\tau = 0.8 \times 10^{-11}$ sec, $\epsilon_{od} = 77.5$, and $\epsilon_{ov} = 5.27$. Data were obtained from three sources: Grant et al. (1957), Cook (1952), and Lane and Saxton (1952).

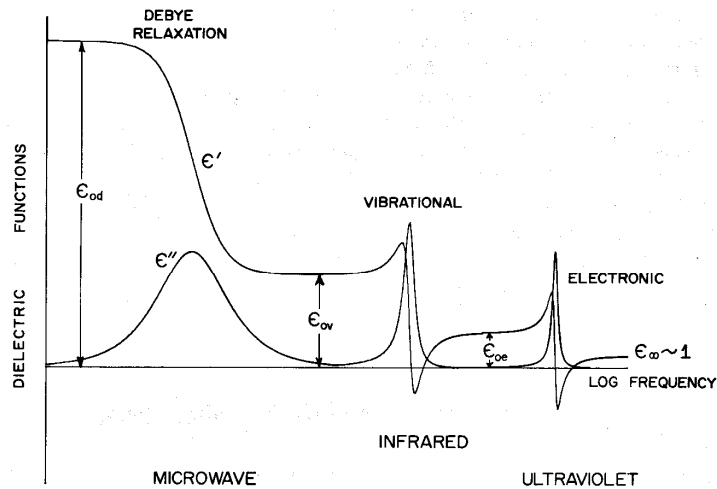


Figure 9.16 Schematic diagram of the frequency variation of the dielectric function of an ideal nonconductor.

Reference: C. F. Bohren and D. R. Huffman, *Absorption and Scattering of Light by Small Particles*. New York: John Wiley & Sons, 1983.