11.4 A lossless transmission line having $Z_0 = 120\ \Omega$ is operating at $\omega = 5 \times 10^8$ rad/s. If the velocity on the line is 2.4×10^8 m/s, find: (*a*) L; (*b*) C. (*c*) Let Z_L be represented by an inductance of 0.6 μH in series with a 100 Ω resistance. Find Γ and s.