FIGURE 6.4 A short-circuited length of lossy transmission line, and the voltage dis
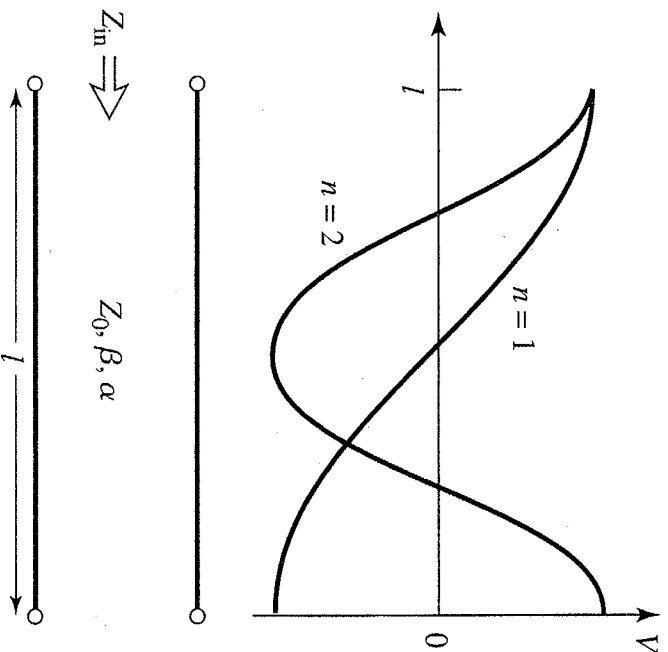for $n = 1$ ($\ell = \lambda/2$) and $n = 2$ ($\ell = \lambda$) resonators.

FIGURE 6.5 An open-circuited length of lossy transmission line, and the voltage for $n = 1$ ($\ell = \lambda/2$) and $n = 2$ ($\ell = \lambda$) resonators.
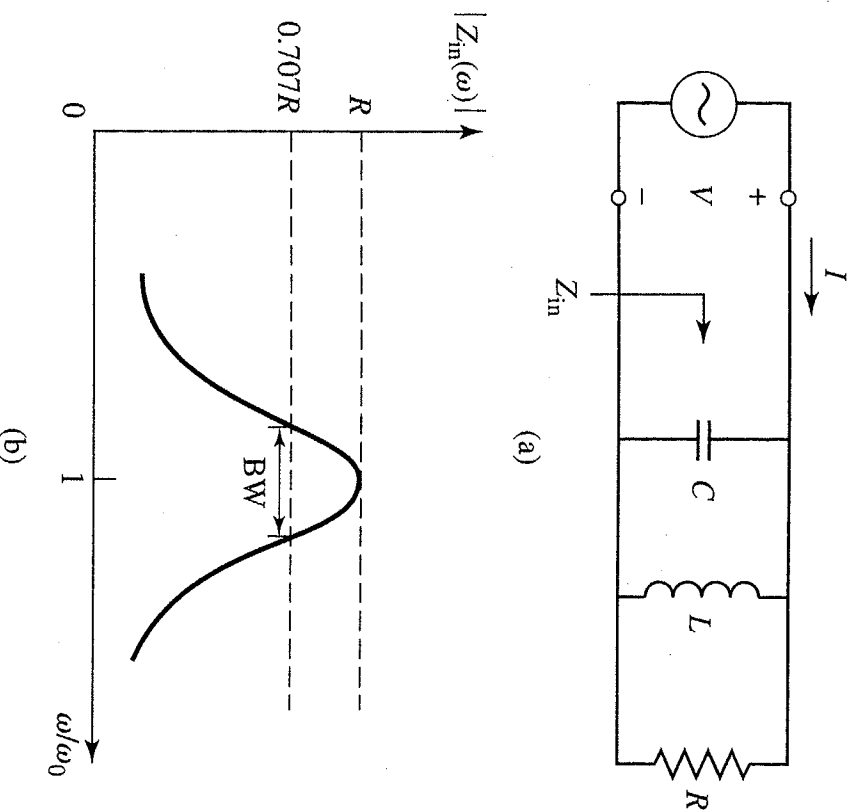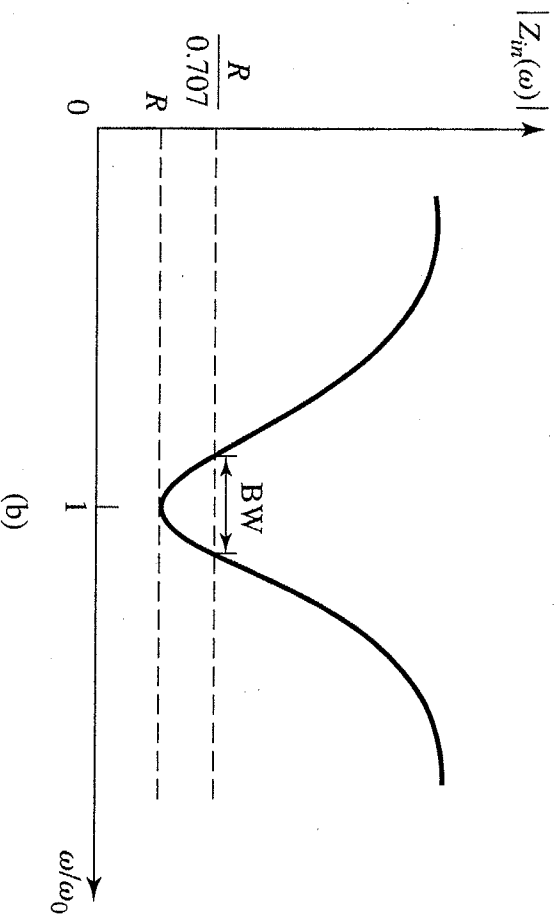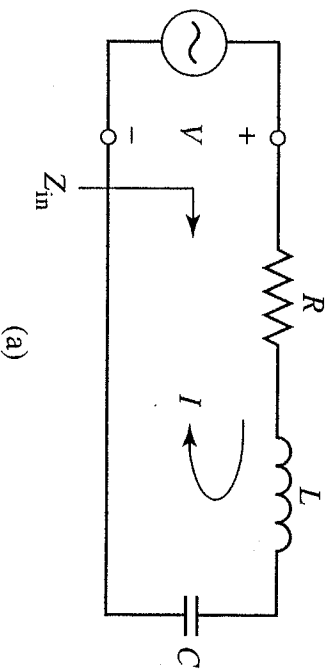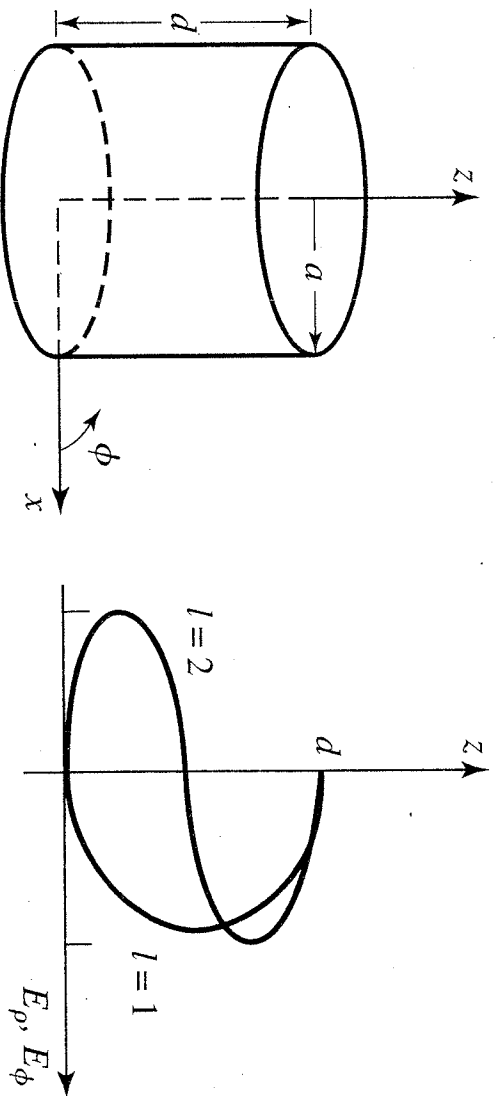
FIGURE 6.2   A parallel *RLC* resonator and its response. (a) The parallel *RLC* circuit. (b) The input impedance magnitude versus frequency.

(a)

(b)

A series RLC resonator and its response. (a) The series RLC circuit. (b) The input impedance magnitude versus frequency.

A cylindrical resonant cavity, and the electric field distribution for resonant modes with $\ell = 1$ or $\ell = 2$.
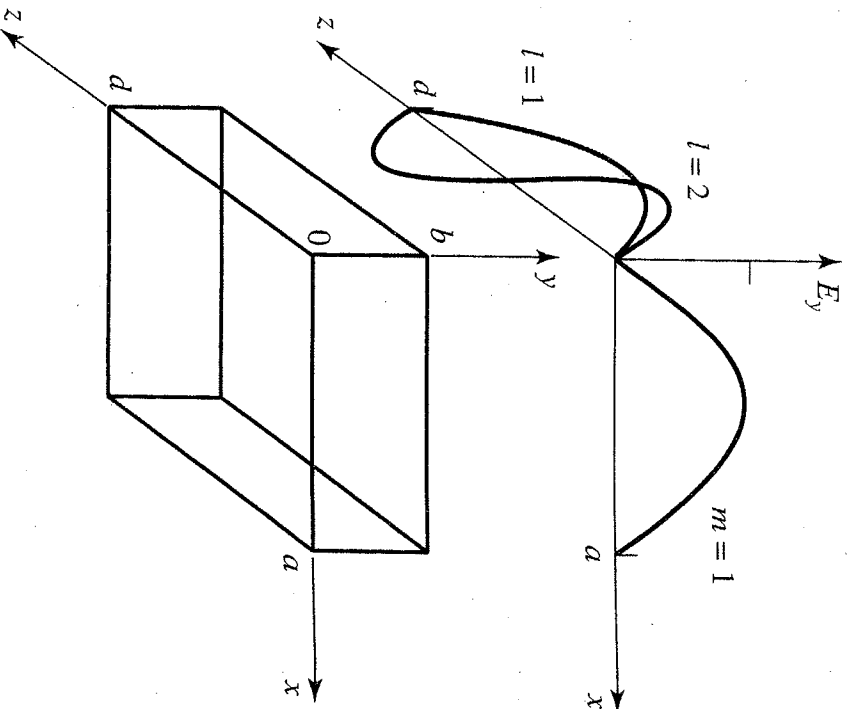
FIGURE 6.6   A rectangular resonant cavity, and the electric field distributions for the TE$_{101}$ TE$_{102}$ resonant modes.