

## Special Problem 5.2-1

A matching network has been constructed to match a **complex** load to a transmission line with characteristic impedance  $Z_0 = 50 \Omega$ .

Note that this matching network is **not** specifically one of the standard designs that we studied.

Determine the **complex admittance**  $Y_L$  of the load (you can alternatively express the load in terms of its impedance).

