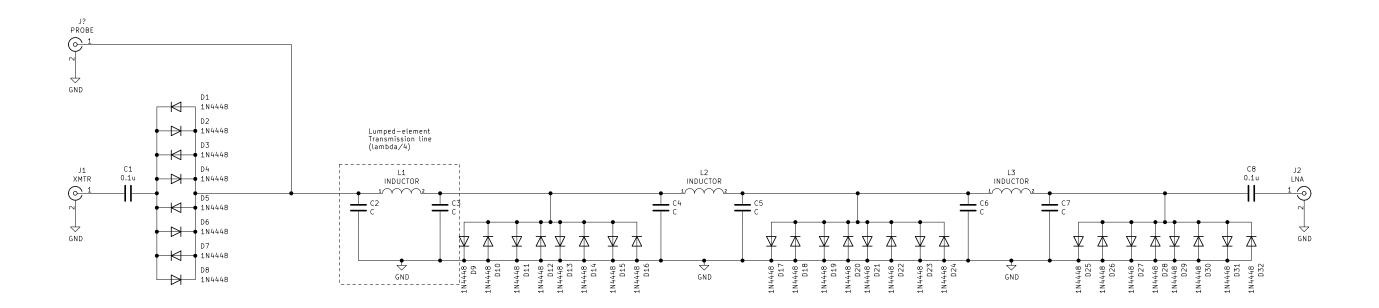
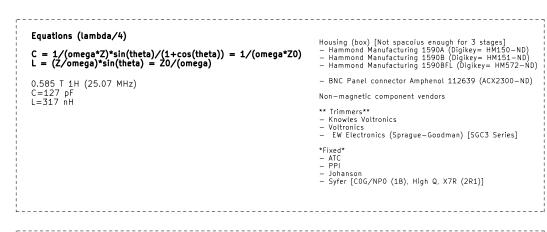
Passive transmit/recieve circuit with 3 stage lambda quarters (\sim 10-350 MHz)





- Notes:

 There is a practical margin for lumped element values error when realizing the transmission line (pi—network).

 Check S parameters (S11, S21) of lumped transmission line prior to assembly, phase= —90 deg with reflection < —15 dB.

 Two stage lambda/4 may be sufficient to provide enough isolation between XTMR and LNA

 The design is adapted from the passive broadband T/R switch in the Varian spectrometer.