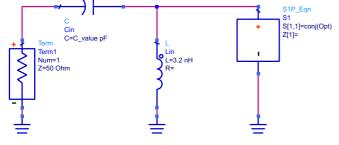
## CREATE INPUT MATCHING NETWORK: Step 2



1) The input reflection of "S1" is set to the complex conjugate of the impedance to be matched to 50 Ohms (in this case, "Opt", the optimum noise match). The inductor is set to 3.2nH, from Match1.dsn.

2) The capacitor is swept until the reactive part of the input impedance is eliminated (see InputMatch.dds).

SIMULATIONS



## VARIABLES



"C\_value" is defined here and set to 0. The actual values used in simulation are set in the ParamSweep component.



SimInstanceName[3]=
SimInstanceName[4]=
SimInstanceName[5]=
SimInstanceName[6]=
Start=2.5
Stop=3
Stop=3
Step=0.1
S-parameter simulation is run at a single frequency (2GHz), while the capacitor value is swept.