

CREATE OUTPUT MATCHING NETWORK USING TLs

With the input matching network in place, the output of the amplifier is matched to 50 Ohms.

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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).

2) The TLout1 and TLout2 lengths are optimized until the a perfect matching happens between load and the matching network i.e. untill mag(S(1,1))=0.

SIMULATIONS

